Maritime Heritage Minnesota

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Log Book 44 of the USS Essex

October 11, 1899 - April 21, 1900

The Day-to-Day Operations of Shipbuilder Donald McKay's Last Ship



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USS *Essex* Log Book 44

Finding Aid

Adams class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried a six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The editing of this log book and the creation of the finding aid was made possible by a generous donation from MHM friend and supporter Dr. Natalie Rosen.

Log Book 44 of the USS *Essex*: October 11, 1899-April 21, 1900

The National Archives houses USS *Essex* Log Book 44. Throughout Log Book 44, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions; sometimes specific boiler are mentioned by their letter designation
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed (‘cross in hawse, stbd chain on top’ or ‘Elbow in hawse’) and often will mention ‘clearing the hawse’ (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship’s boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- discharging ashes onto a lighter
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship’s behavior (heavy rolling or pitching)
- testing flood cocks in magazine and gun rooms
- testing of all electrical apparatus
- crew conducting ship maintenance: engine maintenance/repair, boiler maintenance/repair, coal bunker maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship’s hull and infrastructure, caulking the decks, iron work maintenance/repair, rigging repair/replacement, tarring down rigging, airing of rigging, repairing stays, repairing yards and booms, loosed sails to dry, repairing sails, replacing sails, scraping and slushing spars, scrubbing masts and yards, repairing masts, hawser (mooring lines) maintenance/repair/replacement, condenser bed timber repair/replacement, engine bed timber repair/replacement, steam cutter maintenance/repair, steam/sail launch maintenance/repair, gig maintenance/repair, dinghy maintenance/repair, whale boat maintenance/repair, turned and cleaned hammocks and bedding, painting hammock netting panels, scraping and blacking boat davits, repaired ground tackle, repaired sounding apparatus, scraping out smokepipe, inspected cotton primers, repairing binnacles, repairing waste pipes of magazine and shell room, repairing rail, repaired skylights, repaired awning stanchions, awning repair/replacement, repairing air ports, repairing gun ports, repairing water closets, gun carriage/battery maintenance/repair

- crew conducting drills: furling and unfurling sails, target practice with the main battery (great guns), target practice with the air gun, floating target practice, boat drills - all hands called to arms and away all boats for naval tactics under sail and oars, on shore target practice, general quarters drills, small arms drills, fire drills, single stick drills, revolver drills, torpedo drills, passing powder drills, fuze drills, abandon ship drills, man overboard drills, Gatling gun drills, howitzer drills, skirmishing, battalion drills, machine gun drills, pistol drills, rifle drills, bayonet drills, target practice with targeting hanging from a yardarm, Morse signal drills, landing party drills, navigation drills, man overboard drills, signaling with the flagship, Army and Navy signaling drills, watch signal drills, international signal drills, basic medical training (tourniquets, resuscitation), Marine Guard drill
- Marine Guard drills in the cutter
- cadet/apprentice drills: signaling drills, wig-wag signaling drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection
- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.

At the beginning of Log Book 44, on October 11, 1899, the USS *Essex* is in Algiers, Algeria, under the command of Commander Frank Courtis. The crew and apprentices are conducting routine drills, and in a list of punishments handed out to the apprentices, one man was given 4 hours extra duty for 'stupidity'. The movements of 2 French Torpedo Boats, the French Gunboat *Gabes*, and an English merchant steamer were noted, and *Essex* left Algiers on October 15. For 5 days, *Essex* headed toward Naples,

sighting Sardinia, Mount Vesuvius, and anchored in the harbor; she fired a salute flying the Italian flag. The Italian warship *Confianza* returned the salute and requested another salute for the HRH Prince of Naples; *Essex* complied. For the rest of October, the ship remained at Naples and the apprentices and crew conducted exercises, gun drills, and rigging drills. The log also details the activities of the Italian Battleships *Re Umberto* and *Sicilia*, Italian Royal Yacht *Savoia*, Guard Ship *Confidencia*, Italian ship *Marco Polo*, Italian Gunboat *Tevere*, P & O steamer *Omrah*, Japanese Torpedo Boat *Akibono*, German Lloyd steamer *Bremen*, Prince Line Steamer *Tartar Prince*, Italian Torpedo Boats *No. 89* and *No. 132*, and Italian Transport *Europa*.

From November 1-6, *Essex* remained at Naples, noting the movements of the North German Lloyd Steamer *Priz Heinrick*, Italian Transport *Europa*, German Lloyd Steamer *Sachsea*, Italian Torpedo Boat *No. 95*, and the English steamer *Austria*. She left Naples on November 6 and passed Anzio Light, and she anchored in the Port of Leghorn the following day; on the way, the ship was stopped to repair the oil cup for the HP crank shaft. On November 11, *Essex* was dressed and the Italian Flagship *Flavia di Gioia* fired a 21-gun salute for the Crown Prince's birthday celebration. Crews stationed and practiced Arm and Away Boats exercises, and *Essex* fired a salute at noon. Two days later, a seaman was presented with a Continuous Service Certificate (No. 14003), and on November 14, an apprentice lost the Object Glass of Medium Power Telescope No. 96 overboard while standing a quartermaster watch. The movements of the Italian Cruiser *Amerigo Vespucci* and the Italian Torpedo Boat *No. 114* were mentioned in the log. USS *Essex* left Leghorn on November 16, with the ship rolling heavily between 18 to 12 degrees, and anchored in Genoa the next day. For the next week, the crew and apprentices conducted drills; on November 20, they dressed the ship in rainbow fashion and flew the Italian flag at the main in honor of the Queen of Italy's birthday. The log mentioned the Turkish Flagship *Asson Terifik*, Argentinian warship *Garabaldi*, German Lloyd steamer *Frederick der Grosse*, the and German ship SS *Augusta Victoria*. *Essex* left Genoa on November 23 and picked up a mooring buoy in the harbor of Villefranche the next day. Until the end of the month, the apprentices and crew sanded the masts and light yards, cleaned the hammocks, scrubbed the port boot topping, held timed Arm and Away Boat drills, and they conducted boat races. On November 25, the ship half-masted her colors in memory of Commodore G. H. Perkins, USN, who passed away on October 28.

For the first 12 days of December, while still at Villefranche, USS *Essex* conducted maintenance, including scraping, sanding, and painting, and an overhaul of the main battery guns. The log chronicled the movements of French Torpedo Boats *Sarranizia*, *Coureur*, *Cyclone*, *Furban*, and *Filibusteur*, American yacht *Calanthe*, and an Italian brigantine. Leaving Villefranche on December 12, 2 days later she entered Port Mahon and stayed there for 2 days. On December 16, *Essex* left Port Mahon, rolling deeply from 35 to 31 degrees; an eclipse of the moon occurred after midnight but before 3 am on the 17th. The next day, the Italian steamer *Sorio* passed and exchanged colors; *Essex* entered Gibraltar on December 19. Log entries for the days before Christmas Eve provide interesting insight into shipboard life; an apprentice was punished for 'continual stupidity and neglect', another apprentice was quarantined for 2 months for

'contracting a loathsome disease', and a crewman was demoted for spitting from aloft. Also, *Essex* took on board a crewman from the USS *Marietta*; he was left at Gibraltar due to illness. The activities of HMS *Juno*, HMS *Europa*, HMS *St. George*, HMS *Minerva*, HMS *Anson*, North German Lloyd steamer *Werra*, HMS *Scout*, and the Brazilian Battleship *Marshall Deodoro* were noted. On December 24, *Essex* up anchored and left Gibraltar, passing HMS *Canopus* while leaving the harbor and sighted the English steamer *Greenwich*. While traveling to Funchal, Madeira, *Essex* experienced two days of heavy rolls - some up to 36 degrees; she anchored on December 30. On the last day of 1899, *Essex* fired a national salute with the Portuguese flag at her main, and exchanged visits with the US Consul.

For the first 4 days of January, 1900, *Essex* remained at Funchal, and participated in division and battalion drills, and a dress parade. The log noted the movements of the English steamer *Dunvegan Castle* and *Wasan*, and the Union Line steamer *Moor*. The ship left Funchal on January 4, heading for St. Kitts; she passed the German steamer *Osiris* the next day. Throughout the month, the crew and apprentices conducted drills, including Abandon Ship, All Boats Arm and Away, and Great Gun Moving Practice. *Essex* experienced heavy seas, sometimes rolling up to 35 degrees. The ship anchored in Basse Terre, St. Kitts on January 29, while the English steamer *Duart Castle* left the port. During the last 2 days of the month, *Essex* held a dress parade, the crew and apprentices painted the ship, the main battery guns were overhauled, a bag and hammock inspection was held to trace a bag lost by an apprentice, and Royal Mail Steamer *Solent* left St. Kitts.

At the beginning of February, *Essex* remained in St. Kitts until February 10, with the apprentices and crews holding drills and ship cleaning and maintenance. On February 5, one seaman was placed in irons on the berth deck to sober up after coming back on board drunk from Liberty. The movements of the Quebec Line steamers *Ghazee* and *Fontabelle*, were noted, and the ship left the port on February 11, arriving at Frederiksted, Santa Cruz (Saint Croix) the next day. Until February 25, the *Essex* crew and apprentices conducted drills on board and ashore, fired salutes, and AWOL crewmen were returned to the ship for a reward. The log chronicled the movements of ships in the busy port including brigantine *Telos* of Bangor, Maine, English steamer *Tiber* of Montreal, British steamer *Pretoria*, schooner *T Towner* of New York, armed Tug USS *Uncas*, French Mail Steamer *Olinde Rodrigues*, US Porto Rico Line steamer *Ponce*, Army Transport Tug *Slocum*, USAT *McClellan*, Collier USS *Caesar*, USC&GS *George S. Blake*, steamer of the Porto Rico Line, HMS *Comet*, US Mail Steamer *San Juan*, and steamer *Caracas*. After leaving Santa Cruz, *Essex* sighted USS *New York*, and until the end of the month, headed toward Cuba.

On March 1, 1900, USS *Essex* anchored in Guantanamo Bay, and for the next 9 days, the crew and apprentices conducted routine drills, shore target practice, Abandon Ship drills, Arm and Equip Boats for Distant Service drill, and cleaned the ship. The log mentioned the movements of several ships including the USS *New York*, steamer *City of Washington*, Cuban steamer *Morterra*, USS *Scorpion*, American steamer *Cienfuegos*, Cuban steamer *Georges Croise*, and the British barkentine *Rita*. Upon leaving

Guantanamo Bay on March 10, *Essex* headed toward Havana Harbor; on March 12 and 13, hammocks were lost overboard and one of them was retrieved using the ship's whale boat. In Havana on March 17, *Essex* moored to a buoy and exchanged numbers with USS *Detroit*. The next day, USS *Dolphin* entered the harbor and asked permission of the CO of *Essex* if she could come to anchor since Commander Courtis was the senior American afloat in Havanna at the time. The *Essex* log mentions the actions of USS *Detroit*, Spanish Mail Steamer *Alphonso XIII*, USS *Dolphin*, SS *Mascotte*, USAT *McPherson*, Plat Line Steamer *Olivette*, Ward Line Steamer *Havanna*, and USAT *Sedgwick*. Senator Henry Teller - known for the Teller Amendment that spelled out Cuban independence rather than annexation after the Spanish-American War - visited *Essex* on March 22 just before she went to sea. The ship stood into Hampton Roads on March 28, hoisting her colors, and exchanged numbers with USS *Kearsarge; Essex's* CO headed for Washington, DC, to report on the arrival of the vessel. Essex remains at Hampton Road through the end of March, and the log noted the movements of USS *Kearsarge*, USAT *Kilpatrick*, and USRC *Onondaga*.

USS *Essex* remained at Hampton Roads for the first 3 days of April, and moved to the Norfolk Navy Yard on April 3. Until April 21, yard workmen performed maintenance on the ship, including dismounting gun #146 that was sent to the Bureau of Ordinance, removal of the jib stay for replacement, fitting new standing and running rigging, supplies were received on board for the Construction, Equipment, and Ordinance Departments. Some apprentices were discharged for ineptitude and others were sent on leave or transferred to the Receiving Ships; many crewmen received ordinary discharges, some bad conduct discharges, and some were transferred or put on leave. On April 14, during a search of the ship, 1 crewman was found to be AWOL and on April 18, the personal effects of 2 crewmen declared as deserters was sold at auction; 75 cents was collected. On April 19, Commander Courtis read orders from the Navy Department at muster; he was detached from the command of the *Essex* and Commander Richard G. Davenport took over command of the ship. The next day, Ensign Baldwin and a hospital steward went to Berkeley to identify the body of a drowned man, F. L. Robbins, an *Essex* crewman. Robbins had been AWOL since April 10, and his body was sent to the Naval Hospital for internment preparations; the cause of death was unknown. Throughout the first 3 weeks of April, the Essex log described the movements of many ships, including Battleship USS *Kearsage*, Torpedo Boats USS *Porter*, USS *Stringham*, and USS *Talbot*, Receiving Ships USRS *Franklin*, USRS *Wabash*, and USRS *Richmond*, Patrol Yacht USS *Frolic*, Gunboat USS *Newport*, and Navy Tug USS *Standish*.

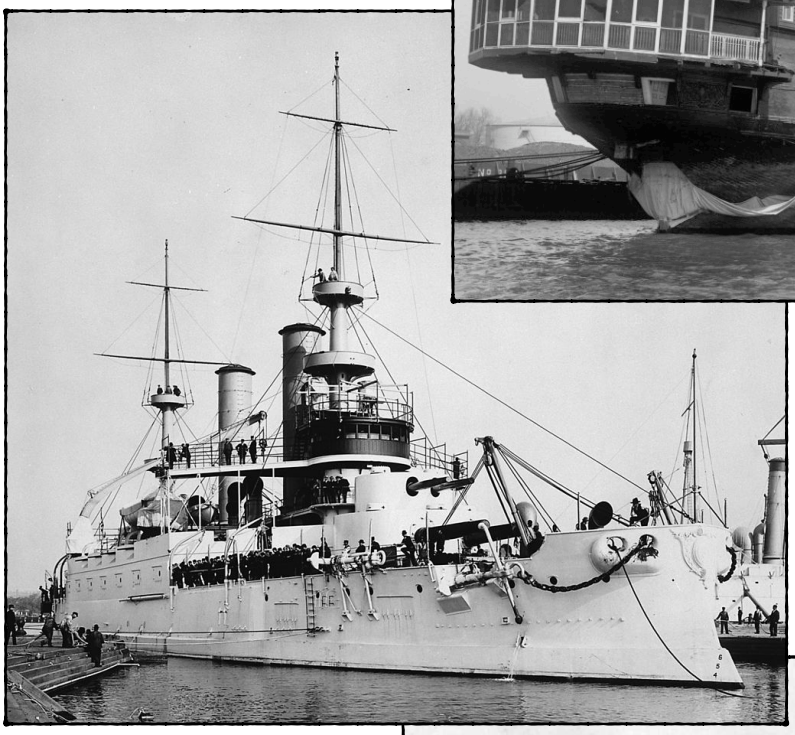
Tags:
sloop-of-war USS *Essex*, Algiers, Algeria, Funchal, Madeira, Gibraltar, Port Mahon, Villefranche, Genoa, Italy, Mount Vesuvius, Naples, Leghorn, Italian Crown Prince, Queen of Italy, Apprentice Training, Cuba, Guantanamo Bay, Havana, Santa Cruz, Saint Croix, Naples, Mount Vesuvius, Sardinia, Hampton Roads, Virginia, Norfolk Navy Yard, Frederiksted, St. Kitts, French Gunboat *Gabes*, Italian warship *Confianza*, Italian Battleship *Re Umberto*, Italian Royal Yacht *Savoia*, Guard Ship *Confidencia*, Italian ship *Marco Polo*, Italian Gunboat *Tevere*, P & O steamer *Omrah*, Japanese Torpedo Boat

Akibono, Italian Battleship *Sicilia*, German Lloyd steamer *Bremen*, Prince Line Steamer *Tartar Prince*, Italian Torpedo Boat *No. 89*, Italian Transport *Europa*, Italian Torpedo Boat *No. 132*, North German Lloyd Steamer *Priz Heinrick*, Italian Transport *Europa*, German Lloyd Steamer *Sachsea*, Italian Torpedo Boat *No. 95*, English steamer *Austria*, Italian Cruiser *Amerigo Vespucci*, Italian Torpedo Boat *No. 114*, Italian Flagship *Flavia di Gioia*, Turkish Flagship *Asson Terifik*, Argentinian warship *Garabaldi*, German Lloyd steamer *Frederick der Grosse*, German ship SS *Augusta Victoria*, French Torpedo Boat *Sarranizia*, French Torpedo Boat *Coureur*, American yacht *Calanthe*, French Torpedo Boat *Cyclone*, French Torpedo Boat *Furban*, French Torpedo Boat *Filibusteur*, Italian brigantine, Italian steamer *Sorio*, HMS *Juno*, HMS *Europa*, HMS *St. George*, HMS *Minerva*, HMS *Anson*, North German Lloyd steamer *Werra*, USS *Marietta*, HMS *Scout*, Brazilian Battleship *Marshall Deodoro*, HMS *Canopus,* English steamer *Greenwich*, English steamer *Dunvegan Castle*, English steamer *Wasan*, and the Union Line steamer *Moor*, German steamer *Osiris*, steamer *Duart Castle*, Royal Mail Steamer *Solent*, Quebec Line steamer *Ghazee*, Quebec Line steamer *Fontabelle*, brigantine *Telos* of Bangor, Maine, English steamer *Tiber* of Montreal, British steamer *Pretoria*, schooner *T Towner* of New York, armed Tug USS *Uncas*, French Mail Steamer *Olinde Rodrigues*, US Porto Rico Line steamer *Ponce*, Army Transport Tug *Slocum*, USAT *McClellan*, Collier USS *Caesar*, USC&GS *George S. Blake*, steamer of the Porto Rico Line, HMS *Comet*, US Mail Steamer *San Juan*, steamer *Caracas*, USS *New York*, steamer *City of Washington*, Cuban steamer *Morterra*, USS *Scorpion*, American steamer *Cienfuegos*, Cuban steamer *Georges Croise*, British barkentine *Rita*, USS *Detroit*, Spanish Mail Steamer *Alphonso XIII*, USS *Dolphin*, SS Mascotte, USAT *McPherson*, Plat Line Steamer *Olivette*, Ward Line Steamer *Havanna*, USAT *Sedgwick*, USS *Kearsarge*, USAT *Kilpatrick*, USRC *Onondaga*, USS *Kearsage*, Torpedo Boat USS *Porter*, USRS *Franklin*, USRS *Wabash*, USRS *Richmond*, Patrol Yacht USS *Frolic*, Gunboat USS *Newport*, Navy Tug USS *Standish*, Torpedo Boat USS *Stringham*, Torpedo Boat USS *Talbot*, apprentice training, ship drills, ship maintenance, steam, sail, Donald McKay

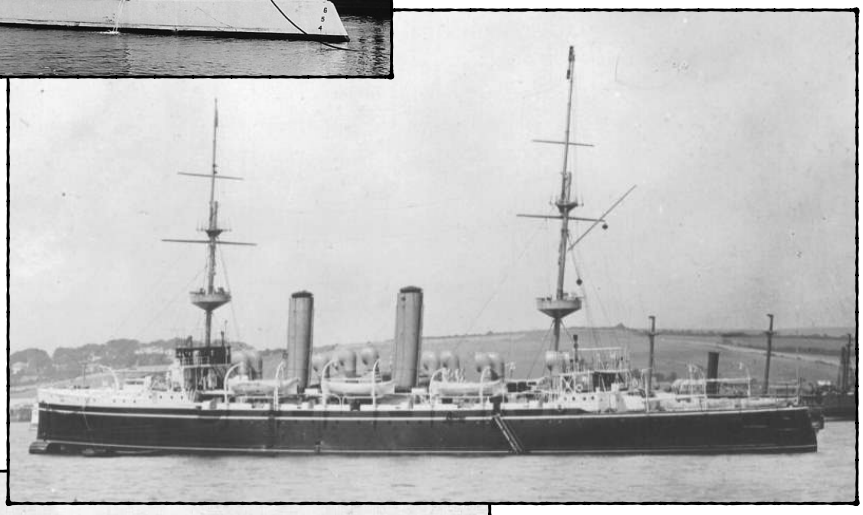


USRS *Franklin*

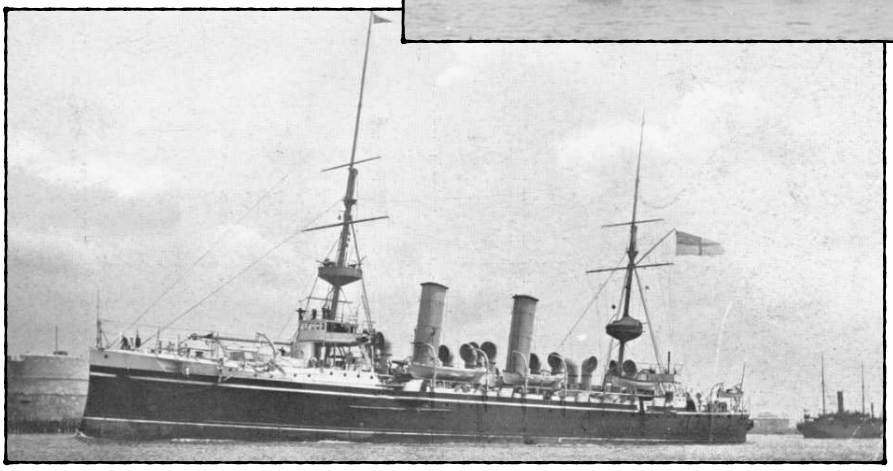




USS *Kearsage*



HMS *Juno*



HMS *Minerva*

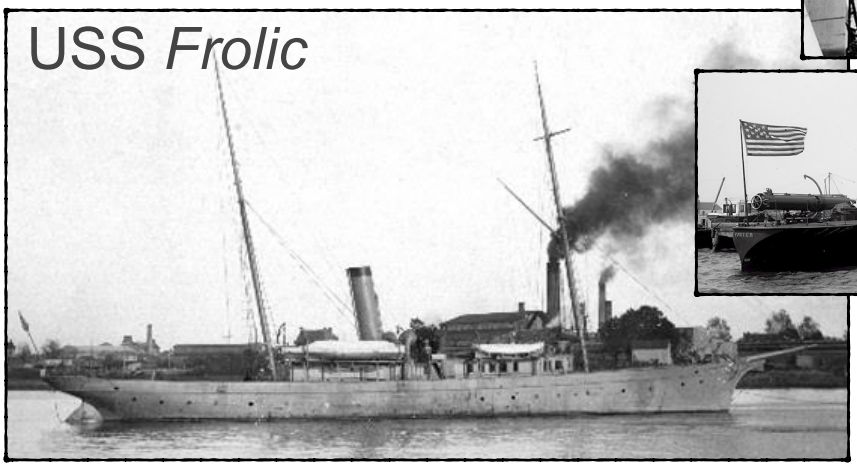
USS *McClellan*



USS *Newport*

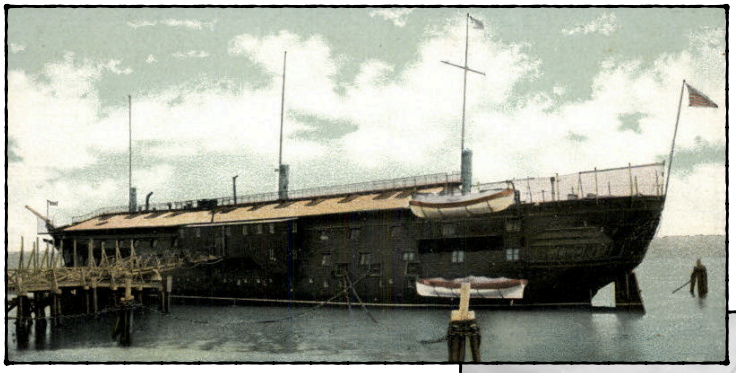


USS *Frolic*

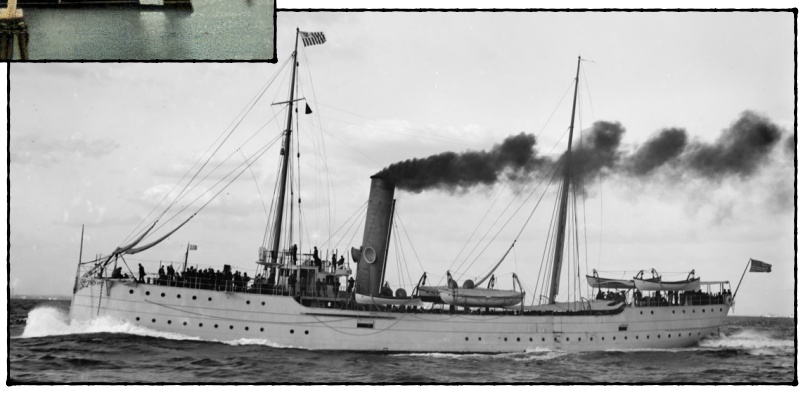




USS Porter



USRS *Wabash*



USS *Onondaga*

FORM NO. 20.

LOG BOOK

OF THE

U. S. S Essex

3rd Rate,

of Twelve Guns,

COMMANDED BY

Commander Frank Courtis, U. S. Navy,

Attached to N. S. Training Squadron,

Commencing October 11th, 1899,

at Algiers, Algeria, Africa,

and ending April 21st, 1900,

at Navy Yard, Norfolk, Va.

BUREAU OF EQUIPMENT
NAVY DEPARTMENT.
1898.

6-205

LIST OF OFFICERS

Attached to and on board of the U. S. S Essex, 3rd rate, commanded by Commander Frank Courtis, U. S. N., during the period covered by this Log Book, from October 11th, 1899, to April 21st, 1900, 18.

NAME.	RANK.	NAME.	RANK.
Frank Courtis, Aug 25, 1898	Commander, U. S. N.		
E. D. Wright, Aug. 20, 1898	Lieutenant, U. S. N.		
E. F. Leiper, Dec. 21, 1898	Lieutenant, U. S. N.		
L. M. Fahs, Oct. 31, 1898	Lieutenant, U. S. N.		
O. A. Gill, June 29, 1899	Chaplain, U. S. N.		
W. G. Ammen, Oct 9th 1898	P. A. Paymaster, U. S. N.		
J. F. Leys, Oct 9, 1898	P. A. Surgeon, U. S. N.		
W. S. Corfen, Oct 29, 1898	Ensign, U. S. N.		
W. J. Marmon, May 6, 1899	Ensign, U. S. N.		
F. P. Baldwin, June 26, 1899	Ensign, U. S. N.		
R. Earle, Oct. 31, 1898	Ensign, U. S. N.		
A. S. Clark, Oct 17, 1898	Pay Clerk, U. S. N.		
Richard Davenport Apr 19, 1900	Commander, U. S. N.		

Examined and found to be correct.

E. F. Leiper, Lt. USN
Navigator.

LIST OF OFFICERS

Who have died, been detached, or transferred, on board the U. S. S Essex, 3rd rate, commanded by Commander Frank Courtis, U. S. N., during the period covered by this Log Book, from October 11th, 1899, to April 21st inclusive 1900.

NAME.	RANK.	TIME OF OCCURRENCE AND PARTICULARS.
Walter S Turpin	Ensign, U. S. Navy,	Detached April 14th 1900. To U S Naval Proving Grounds Indian Head, Md.
Frank Courtis	Commander, U.S.N.	Do " 19th 1900. To home and await orders.
Harry S. Clark	Pay Clerk, U.S.N.	Resigned " 20th 1900.

Examined and found to be correct.

J. F. Luper Lt. U.S.N.
Navigator.

4—265

COMPLEMENT of Petty Officers, Seamen, Ordinary Seamen, Landsmen, Boys, and Marines on board

of the U. S. S Essex, 3rd Rate at first commissioning

NUMBER ALLOWED	RATINGS	NUMBER. Complement.	On board.	In hospital.	Vacancies.	In excess.
	Seaman Branch.					
1	Chief Master-at-Arms	1				
	Master-at-Arms, first class					
1	Master-at-Arms, second class	1				
1	Master-at-Arms, third class	1				
1	Chief Boatswain's Mate	1				
3	Boatswains' Mates, first class	3				
6	Boatswains' Mates, second class	6				
6	Coxswains	6				
1	Chief Gunner's Mate	1				
1	Gunners' Mates, first class	1				
1	Gunners' Mates, second class	1				
2	Gunners' Mates, third class	2				
	Chief Gun Captains					
	Gun Captains, first class					
	Gun Captains, second class					
1	Chief Quartermaster	1				
1	Quartermasters, first class	1				
1	Quartermasters, second class	1				
1	Quartermasters, third class	1				
7	Seamen	7				
	Ordinary Seamen					
144	Apprentices	144				
14	Landsmen	14				
53	Total	53				
	Artificer Branch.					
	Chief Electrician					
	Electrician, first class					
	Electrician, second class					
1	Chief Carpenter's Mate	1				
	Carpenters' Mates, first class					
	Carpenters' Mates, second class					
1	Carpenters' Mates, third class	1				
1	Shipwrights	1				
1	Blacksmiths	1				
	Plumbers and Fitters					
1	Sailmakers' Mates	1				
1	Painters	1				
6	Total	6				
	Artificer Branch—Engine-Room Force.					
1	Chief Machinists	1				
3	Machinists, first class	3				
	Machinists, second class					
1	Boiler Makers	1				
	Blacksmiths					
	Coppersmiths					
1	Water Tenders	1				
2	Oilers	2				
4	Firemen, first class	4				
	Firemen, second class					
4	Coal Passers	4				
16	Total	16				

RATINGS.	NUMBER. Complement.	On board.	In hospital.	Vacancies.	In excess.	NUMBER ON BOARD.
Special Branch.						
Chief Yeoman: Com'd'g officer	1					
Chief Yeoman: Equip't Dept	1					
Chief Yeoman: Pay Dept	1					
Chief Yeoman: Engr. Dept	1					
Yeoman, first class	2					
Yeoman, second class						
Yeoman, third class	1					
Hospital Steward	1					
Hospital Apprentices, first class	1					
Hospital Apprentices	1					
Buglers	1					
Total	10					
Messmen Branch.						
Cabin Steward	1					
Cabin Cook	1					
Mess Attendant	1					
Wardroom Steward	1					
Wardroom Cook	1					
Mess Attendants	5					
Junior Officers' Steward						
Junior Officers' Cook						
Mess Attendants						
Warrant Officers' Steward						
Warrant Officers' Cook						
Mess Attendant						
Ship's Cooks, first class	1					
Ship's Cooks, second class	1					
Ship's Cooks, third class	1					
Ship's Cooks, fourth class	3					
Total	16					
Additional for Flagship.						
Coxswains to commander-in-chief						
Seamen						
Apprentices						
Bandmaster						
First Musician						
Musicians, first class						
Musicians, second class						
Printer						
Yeoman						
Steward to commander-in-chief						
Cook to commander-in-chief						
Mess Attendants						
Total						

RECAPITULATION.

Complement of crew 245

Number on board

Vacancies

Respectfully submitted,

Commanding.

To the BUREAU OF NAVIGATION, NAVY DEPARTMENT.

(Ed. 2-25-1900—5,000.) 4—1000

Ordinary Seamen to do.

Landsmen to do.

Examined and found to be correct.

F. F. Leiper Lt. USN

Navigator.

6-555

U. S. S

Description of Instruments used for Meteorological Observations, their Location, &c.

INSTRUMENT.	MAKER.	NUMBER.	LOCATION.	DATE OF LAST COMPARISON.	COMPARED WITH—	ERROR.
MERCURIAL BAROMETER.	Huddleston		Forward cabin Starboard side	June 1899	Hydrographic Office ~~Navy Yard~~ Norfolk Va.	Correct.
ANEROID BAROMETER.	A P B N	22	Chart House			
THERMOMETER, (Dry Bulb.)	Mason	5-4	Mizzen Mast spar deck			
THERMOMETER, (Wet Bulb.) (Psychrometer.)	Mason	5-4	Mizzen Mast spar deck			

Examined and found to be correct.

E. F. Leigh, Lt
Navigator.

4-265

ARMAMENT

Of the U. S. S Essex, 3rd rate

PRIMARY.

NO. OF GUNS.	CAL.	MARK.	DESCRIPTION.	CARTRIDGE.		PROJECTILES.		CARRIAGES.	REMARKS.
				POWDER.	WEIGHT.	KIND.	WEIGHT.		
4	4"	VII	R. F.	Fixed ammunition			5·8 lb.	Fletcher pedestal mount Mark II.	
2	4"	IV	R. F.	"		"	5·8 lbs	" " "	

SECONDARY.

4	6-Pdr	I	Fixed ammunition		9·9 lb.	Sage stand	
2	1-Pdr	II			1·65 lb.	"	
2	6-3/m	Colts Automatic				Tripod & Field carriage	
1	3-3/m	Field Gun			15 lb.	Field carriage	

BOAT ARMAMENT.

2 Sage stands with adapter ring for Colts Automatic, and 1-1pr Hotchkiss.

SMALL ARMS.

175 Lee straight pull rifles. Cal. 6 m/m.
65 Revolvers Colts, D.A. Cal. 38

Examined and found to be correct.

F. F. Liebe, Lt
Navigator.

4-205

TABLES of Deviation of the Standard Compass No. 24017 on board the U. S. S Essex

DATE:	Nov 23, 1899					
PLACE OF OBSERVATION:	Off Leghorn, Italy					
LATITUDE:	44° 32' N.					
LONGITUDE:	8° 53' 30" E.					
OBSERVED VARIATION:	12° 17' W'ly					

SHIP'S HEAD BY COMPASS.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.	DEVIATION.
NORTH.	2° 54' E'ly					
N. by E.	4 37 "					
N. N. E.	5 37 "					
N. E. by N.	6 22 "					
N. E.	6 57 "					
N. E. by E.	6 57 "					
E. N. E.	6 46 "					
E. by N.	6 05 "					
EAST.	5 08 "					
E. by S.	4 07 "					
E. S. E.	2 55 "					
S. E. by E.	1 52 "					
S. E.	0 35 "					
S. E. by S.	0 23 W'ly					
S. S. E.	1 21 "					
S. by E.	2 03 "					
SOUTH.	2 55 "					
S. by W.	3 05 "					
S. S. W.	3 45 "					
S. W. by S.	4 13 "					
S. W.	4 41 "					
S. W. by W.	4 38 "					
W. S. W.	4 30 "					
W. by S.	4 38 "					
WEST.	4 45 "					
W. by N.	4 39 "					
W. N. W.	4 21 "					
N. W. by W.	3 18 "					
N. W.	3 01 "					
N. W. by N.	3 10 "					
N. N. W.	0 23 "					
N. by W.	1 23 E'ly					

Examined and found to be correct.

E. F. Lucas Lt
Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1				N. E.	Calm.	0			30 40	78	75	74		bar	c.s.		2	
2				East	"	0			30 38	78	74	73		"	"		1	
3				E. by S.	"	0			30 38	78	74	73		"	"		1	
4				N. E.	"	0			30 37	79	73	72		"	"		1	
5				S. E.	"	0			30 37	78	71	70		"	"		1	
6				W by S.	"	0			30 36	79	71	70		bc	"		3	
7				W. N. W.	"	0			30 34	78	72	70		"	"		3	
8				S. E.	"	0			30 34	79	76	72		"	"		4	
9				North	"	0			30 35	82	78	75		"	"		5	
10				N. N. E.	N. E.	1			30 35	83	80	77		"	"		5	
11				N. E.	"	1			30 35	80	81	74		"	"		4	
Noon.				"	"	1			30 34	85	82	78		"	"		5	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " Sea

Position at noon: { Latitude by observation ° ' " 78-76 78-76
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 700 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 184 " 1263 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1				N. N. E.	N. E.	1			30 34	85	82	78		bc	c.s.		5	
2				East	East	1			30 31	85	82	78		"	"		6	
3				"	Calm	0			30 29	85	82	78		"	"		5	
4				"	"	0			30 26	84	81	78		"	"		6	
5				N. E.	"	0			30 24	84	79	76		"	"		5	
6				North	"	0			30 22	82	77	74		"	"		6	
7				N. N. W.	"	0			30 22	82	77	74		"	c.		4	
8				West	"	0			30 22	81	77	74		"	"		4	
9				"	"	0			30 22	81	77	74		"	"		6	
10				S. W.	"	0			30 22	82	77	74		"	"		6	
11				"	"	0			30 22	82	77	74		"	"		6	
Mid.				N. W.	North	1			30 20	81	77	74		"	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, October 11th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calms. Barometer falling slowly. About 3:10 a small steamer came in and anchored.

A. J. Marion
Ensign, USN.

4 to 8 A.M.

Fair and pleasant. Calm. Received in Pay Dept for crew, fresh provisions as follows:- 159 lbs bread, 198½ lbs meat, and 198¾ lbs Vegetables. Scrubbed hammocks.

C. W. Fahs
Lieut, USN.

8 A.M. to Meridian.

Fair and pleasant. Calms and light N. E. airs, Barometer steady. At 9:30 mustered at quarters after which exercised as per routine, after which held bag inspection of bags. By order of the Captain A. McGregor (B.M. 2 c) was released from confinement, his term having expired. By the same authority O. P. Sweeney (Sea) was placed in solitary confinement on bread and water for 3 days, for overstaying liberty 68 hours. Two French torpedo boats went out into the Bay for exercise and returned about 11:00 o'clock. The Captain assigned the following punishments:- O. P. Sweeney (Sea), 68 hrs. over leave, 3 days solitary confinement on bread and water. M. Moran (B.M. 2 c), Returning from liberty 2½ hrs over leave and fight, 2nd Class. P. B. Guest (App. 3 c) and C. M. Smith (App. 3 c), Failing to man boat when called away, 5 hrs. extra duty each. A. P. Nilsson (App. 3 c) and R. J. Martin, (App. 3 c), Out of uniform on running boat, 4 hrs extra duty. D. W. Brockhage (App. 3 c), Out of uniform at bag inspection, 4 hrs. extra duty. R. J. Martin (App. 3 c), Out of uniform at Quarters, 4 hrs. extra duty. P. B. Guest (App. 3 c), Stiff duty, 4 hrs extra duty. Several steamers came into port.

Ensign, USN.

Meridian to 4 P.M.

Clear and pleasant. Light airs from N. E. and East, and calms. Barometer falling. At 3:55 mustered at quarters and turned in clean hammocks. Started fires under boiler "C" for auxiliary purposes at 1:00. Pumped out bilge, drilled 3rd Division in compass and lead and those deficient, in the branches in which they were deficient, seamanship and gunnery. Several merchant steamers came into port.

A. J. Marion,
Ensign, USN.

4 to 8 P.M.

Fair and calm. Barometer falling. Commenced distilling at 7:45. The Captain and three officers went to dine officially with the French Admiral.

Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Calms and light airs last hour from North. Barometer steady. Moon set at 10:15.

A. J. Marion
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut Navigator.

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, saketch.	State of the Sea.
A. M.																		
1				W. N. W.	W. N. W.	5			30 17	81	77	74		b.c.	a-cu	N.W.	4	
2				"	"	5			30 17	79	77	74		"	"	"	4	
3				"	"	5			30 17	79	77	74		"	"	"	5	
4				W. by N.	West	5			30 17	77	75	73		"	cu-n.	"	5	
5				W. N. W.	"	5			30 18	75	76	74		b.c.g.	"	W.	5	
6				West	"	5			30 18	78	76	74		"	S-cu	"	4	
7				"	"	5			30 18	79	76	74		"	"	"	4	
8				W. N. W.	"	5			30 18	79	77	75		"	"	"	4	
9				W. by N.	"	5			30 20	81	77	75		"	"	"	5	
10				West	"	4			30 22	85	79	76		"	"	"	5	
11				W. N. W.	"	4			30 23	84	82	77		b.c.	a-cu	"	5	
Noon.				"	W. N. W.	5			30 22	84	81	77		"	"	"	4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Alt.

Position at noon: { Latitude by observation ° ' " 77-76 77-76
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 900 lbs.

Coal remaining on hand at noon, 134 " 1263 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, saketch.	State of the Sea.
P. M.																		
1				W. N. W.	W. N. W.	3-5			30 22	86	82	77		b.c	a-s fr-cu	W.	4	
2				"	"	4			30 21	85	82	78		"	"	W.	4	
3				"	"	4			30 20	83	82	78		"	"	"	5	
4				N. W. by W.	N. W. by W.	3			30 20	82	80	77		"	"	"	6	
5				"	"	3			30 21	82	80	77		"	"	"	6	
6				W. N. W.	"	8			30 22	82	75	75		"	"	"	5	
7				N. W. by W.	"	2			30 22	80	75	75		"	"	"	5	
8				"	"	2			30 22	80	75	75		"	"	"	3	
9				W. N. W.	W. N. W.	2			30 21	78	76	76		"	"	—	7	
10				"	"	1			30 20	78	75	75		b.w	cu-s cu.	W.	5	
11				"	Calm.	0			30 21	78	75	75		"	"	"	4	
Mid.				"	W. N. W.	1			30 21	78	75	75		"	"	"	2	

4—2 5

under the command of Commander Frank Curtis , U. S. Navy,

Thursday, October 12th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Fair. Fresh breezes from W.N.W. and West. Barometer steady.

J. R. Baldwin Ensign, USN.

4 to 8. AM.

Fair and pleasant. Stiff breeze with fresh squalls. Barometer steady. Received on Pay Dept following fresh provisions for issue to crew:- 159 lbs of bread, 2nd 1983 lbs each of beef and vegetables. Water lighter came alongside at 7.15. Wm Zackary (Mate) returned on board being 14 hrs late returning from Duty Distilling. Two English steamers came into port.

Ensign, USN

8. AM. to Meridian.

Fair and pleasant. Moderate and stiff breezes from West and W.N.W. Barometer rising slowly. At 9:30 mustered at quarters, no absentees. Drilled as per routine. Second drill period, exercised at Battalion drill. Received in Equipment Department 15 tons fresh water. The French gunboat "Gabes" came in and moored to buoy to North of us at 10:00. Punishments awarded by the Comdy Officer: W.A. Cross (Mate) and A.B. Cooper (Mn.Att) Creating disturbance on spar deck - reduced to 2nd Conduct Class; C.D. Mullen (App 3c) for being out of uniform - reduced to 2nd Conduct Class, and for failing to report boat time while on orderly watch - one weeks extra duty; W. Zackary (Mn.Att) not returning from shore at proper time when going on special duty - reduced to 2nd Conduct Class; G.W. Turnhagen (App 3 C) shirking - 16 hours extra duty; J. White (Hosp. App) disregarding orders of Hospital Steward - reduced to 4th Class; J. Whalen (App 3. C.) playing with revolver while on drill - 4 hours extra duty. An officer from this ship made boarding visit to the "Gabes". Pumped out Bilge.

W. W. Smith

Ensign, USN.

Meridian to 4 PM.

Clear and pleasant. Light to gentle breeze from N.W. by W. At 1:08 sounded call to Fire Quarters. Divisions reported ready as follows:- 4th Divn, ½ mnt., Powder, ½ mnt., 5th and 1st, 8 mnt., 3d, 2½ mnt., Nav 2½, Secured at 1.41½. All divisions reported in 4½ minutes. Exercised 4th Division at compass and Sail. At 3:50 commenced Spar drill. The Comdy Officer of the French cruiser "Gabes" called officially on the Captain.

J. R. Baldwin Ensign, USN.

4 to 8. PM.

Clear and pleasant. Gentle to light breezes from N.W. by W. Barometer steady. Drilled at sending down and crossing t'gallant and royal yards until 4:50.

W. W. Smith,

Ensign, USN.

8. PM. to Midnight.

Clear and pleasant. Calm to light airs from W.N.W. Barometer steady.

J. R. Baldwin Ensign, USN

Examined and found to be correct.

E. F. Lopez.

Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd **Rate,**

Moored to buoy, Algiers

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				West	Calm	0			30 20	78	74	74		bw	None	-	0	
2				N. W. by W.	N. W.	1			30 20	78	73	73		"	"	-	0	
3				S. W.	West	1			30 20	78	73	73		"	"	—	0	
4				"	Calm	0			30 20	78	73	73		"	"	-	0	
5				S. W. by W.	"	0			30 20	78	73	73		bcw	a.cu	&	2	
6				South	S. S. W.	2			30 19	78	73	73		"	"	"	5	
7				S. W.	"	1			30 19	76	73	73		bc.	"	"	5	
8				"	"	1			30 20	74	73	73		"	c.s	—	5	
9				South	Calm	0			30 22	80	75	74		"	"	—	3	
10				S. E.	"	0			30 21	80	77	75		"	"	—	3	
11				N. N. E.	"	0			30 20	82	78	76		"	cu.cu	—	3	
Noon.				"	North	1			30 20	82	80	77		"	"	-	3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 77-77 78-77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilling during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 22000 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 181 " 2133 "

P. M.																		
1				North	North	3			30 17	81	80	72		bc.	ci.cu	—	4	
2				N by W.	"	3			30 17	82	80	72		"	ci	—	3	
3				"	"	3			30 17	83	80	72		"	"	—	3	
4				N. N. W.	N. N. W.	2			30 17	85	81	74		"	"	S.W.	3	
5				N. W.	N. W.	1			30 17	82	79	75		"	ci.s.	"	7	
6				W. N. W.	W. N. W.	2			30 17	78	75	72		"	"	"	3	
7				"	"	2			30 17	80	75	73		"	"	"	3	
8				"	"	2			30 17	80	75	74		"	"	"	3	
9				West	N. W.	1			30 16	80	74	74		bcw	ci.	—	2	
10				South	Calm	0			30 19	80	74	74		"	"	—	2	
11				"	S.W.	1			30 19	78	73	74		"	"	—	2	
Mid.				W. S. W.	"	1			30 19	79	73	73		"	"	-	2	

4-25

under the command of Commander Frank Courtis, U. S. Navy,

Friday, October 13th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant. Calms and light N. W. by W to West by W airs.

Ralph Earle,
Ensign, USN.

4 to 8 AM.

Fair and pleasant, with heavy dew first half. Calms, light breeze falling to light airs from S.S.W. Barometer steady. An English merchant steamer came in about 7:50 and moored to breakwater. Received in the dept of Supplies and Accounts the following fresh provisions:- 159 lbs. bread, 198½ lbs. meat, 193½ lbs. vegetables.

W. H. Lamon,
Ensign, USN.

8 AM to Meridian.

Clear and pleasant. Warm. Calms. The acting appointment of John S. Calhoun, Master at Arms 3d Class, was revoked from October 8th, 1899. At 9:30 sounded call to General Quarters. Divisions reported ready as follows:- 5th ½ min, Buoder 1½, Sel and Nav 2½, 2nd, 3, 4th, 4, and 3rd 5 minutes. Cleared at 9:56. All divisions secured in 3½ minutes. At 10:15 sounded Provision Call and then "All hands abandon ship." All boats reported ready in 18 minutes. The Captain made official call on the Comdg Officer of the French Cruser "Galilee." The Captain awarded punishments as follows:- R. C. Berry, App. 3 C., 8 hrs extra duty for having another boys blanket in his possession. P. J. Kaminsky, App. 3 C., 2nd Class for shirking, E. E. Derrick, App. 3 C., 4 hrs. extra duty for shirking.

W. R. Baldwin
Ensign, USN.

Meridian to 4 PM.

Clear and pleasant. Gentle to light North by E to N. N. W. by W breezes. Inspected and tested magazine flood cocks and found them in good order. Cleaned and disinfected bilges. Instructed 5th Division in lead, and compass. Sent out all boats at 3:00 for exercise under oars and sails.

Ralph Earle,
Ensign, USN.

4 to 8 PM.

Clear and pleasant. Light airs to light breezes from N. W. and W. N. W. Boats returned from exercise at 4:25.

W. R. Baldwin
Ensign, USN.

8 PM to Midnight.

Clear and pleasant. Calm with light S. W. by W to N. W. by W airs. Moonlight.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper.
Lieut Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1				South.	South.	1			30 17	78	73	72		bc.	cu.		2	
2				S. S. W.	Calm.	0			30 16	77	72	71		"	"		3	
3				W. S. W.	"	0			30 15	77	72	71		"	"		1	
4				S. S. W.	"	0			30 14	77	71	69		"	"		1	
5				S. W.	"	0			30 14	80	70	69		"	"		1	
6				S. S. W.	"	0			30 14	79	70	69		"	"		3	
7				South	"	0			30 15	82	74	70		"	"		4	
8				S. S. E.	"	0			30 16	83	80	76		"	"		4	
9				E. S. E.	E. S. E.	1			30 16	78	77	74		"	cu-s		4	
10				East	East	1			30 16	80	80	75		"	"		3	
11				E. by N.	E. N. E.	1			30 15	82	81	74		"	"		4	
Noon.				N. E.	N. E.	1			30 14	85	81	78		"	cu-cu		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 80-79 79-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 910 lbs.

Coal remaining on hand at noon, 130 " 1220 "

P. M.																		
1				N. E.	Calm.	0			30 13	84	81	78		bc.	cu-cu		5	
2				N. N. E.	"	0			30 12	86	82	79		"	"		9	
3				N. N. E.	"	0			30 12	86	82	79		"	"		9	
4				N. E.	"	0			30 12	86	81	78		"	"		8	
5				E. N. E.	"	0			30 13	84	79	78		bcp.	cu-s		8	
6				"	"	0			30 13	84	78	76		"	"		9	
7				S. E. by S.	S. E.	1			30 12	82	77	74		bc.	cu-cu		7	
8				S. W.	"	1			30 11	82	77	74		"	"		6	
9				"	S. W.	1			30 12	82	77	71		"	"		7	
10				S. S. W.	"	1			30 10	82	74	73		"	"		9	
11				S. W.	"	1			30 09	82	74	73		"	"		8	
Mid.				"	"	1			30 09	83	74	73		"	"		8	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, October 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs from South first hour. Calm remainder. Moon set at 12.20. Distilling.

C.W. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear and pleasant. Calm. Field day. Received in Pay Dept for issue 159 lbs. bread, 198½ lbs. each fresh meat and vegetables. Finished distilling at 7:00 A.M. and banked fires under boiler "C."

W.L. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light variable airs. Cleaned ship. Aired bedding. By order of the Comdg Officer:- H.O. Martin, App.S.C., for continual disregard of orders, and habitually dirty, was placed in double irons for 10 days; Wm Zachary M. Att., for returning from duty on shore in a groggy and sodden condition, and continual neglect of duty in Wardroom, was placed in solitary confinement for 5 days on bread and water; M.J. Barthelme Asp.S.C., for being slow in obeying orders, was given 5 hrs extra duty; and T.P. Sweeney, Sea., was released from confinement, his term having expired.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Calm. Secured 1st, 2nd, and 4th Cutters for sea. Tested life buoys and found them in good condition.

C.W. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Cloudy and pleasant, with very light rain first hour. Calm to light S.E. & S. airs. Bent topgallant sails and main t'gallant staysail. Finished securing boats for sea.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Light S.W. airs.

C.W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

P.F. Leupp.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Algiers.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
A. M.																		
1				SW by W.	W S W	1			30 08	81	77	74		bc	a-m		7	
2				West	"	2			30 07	80	77	74		"	"		7	
3				"	"	2			30 07	81	77	74		"	"		7	
4				W by S	"	4			30 06	82	80	73		bsp.	"		8	
5				W.N.W.	"	4			30 06	84	82	74		bdgr	"	S.	8	
6				W by S	"	3			30 09	83	82	74		"	"	"	8	
7				"	"	3			30 09	84	82	74		"	"	"	9	
8				"	"	2			30 10	85	82	75		bc	"	"	8	
9			90.8	N.E. 3/4 E.	S.E.	2			30 13	88	84	76		bcg	"		8	
10	4	5	95.6	"	"	1			30 13	86	84	76		bc	a-cu		7	
11	3	4	99.9	E.N.E. 1/2 E.	Calm	0			30 13	88	85	76	75	"	"		7	
Noon.	7	4	9.5	"	N.N.E.	1			30 13	88	85	78	75	"	"		7	

Position at 8 A. M.: Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.

Position at noon: Latitude by observation bearings 36° 55' 30" N. 79-77 77-76
Longitude by observation " 3° 22' 30" E.
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: E.N.E. 1/2 E.

Distance made good since preceding noon: 18.7 miles.

Distance by Log since preceding noon: 18.7 miles.

Current per hour: ~ miles, set ~ true.

Position at 8 P. M.: Latitude by bearings 37° 19' 00" N.
Longitude by Obs. 4° 26' 33" E.

Variation of compass: from chart 13° 00' W by
Error of compass observed at 4:06 P.M. 7° 57' W by
Deviation of compass on E.N.E. 3/4 E. 5° 03' Ely

Water expended during the preceding 24 hours, 650 gallons.
Water during the preceding 24 hours, - "
Water remaining on hand fit for use at noon, 2150 "
Coal consumed during the preceding 24 hours, 2 tons, 20 lbs.
Coal remaining on hand at noon, 128 " 75.3 "

P. M.																		
1	7	0	16.5	E.N.E. 1/2 E.	N.N.W.	1			30 13	88	82	75	74	bc	a-cu		8	S
2	7	2	23.7	"	"	2			30 13	88	82	75	74	"	"		8	"
3	7	9	31.6	"	N. W.	2			30 13	84	78	73	74	bsp.	m		9	"
4	7	1	38.7	"	S.S.W.	2			30 11	82	78	74	74	bc	"		7	"
5	6	6	45.3	"	"	2			30 10	81	77	74	74	"	"		7	"
6	7	1	52.4	"	S.E. by S.	2			30 10	81	77	74	74	"	a-cu		7	"
7	6	9	59.3	"	South	2			30 10	80	77	74	74	"	"		6	"
8	7	4	66.7	"	S.S.W.	3			30 11	80	77	74	74	"	"		7	"
9	4	7	71.4	"	S. W.	3			30 11	81	79	75	74	"	a-cu	SW.	5	"
10	7	2	78.6	"	W.S.W.	2			30 11	81	78	75	75	"	"	"	6	"
11	6	8	85.4	"	"	1			30 11	81	78	75	75	"	"	"	8	"
Mid.	7	0	92.4	"	"	2			30 11	80	78	74	75	"	a-cu	"	6	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, October 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Light airs to moderate breze from W.S.W. Barometer falling slowly. Several steamers came in & and left port

Albert Rieu
Ensign, USN.

4 to 8 A.M.

Cloudy and warm with light passing rain squalls. Moderate to light W.S.W. by breezes. At 4:00 lighted fires under boiler "D" and spread them under boiler "C" for steaming purposes.

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant. Slight spittings of rain early in first hour. Light variable breezes and airs. Calm at times. Ships draft fo'd 14'-0", amidship 15'-9", aft 16'-8". At 9:00 unmoored and stood out of the harbor of Algiers, and set course N. E. ½ E. (P.S.C.) at 9:20, and put over Pat. log reading 90.8. At 10:30 changed course to E.N.E. ½ E. (P.S.C.) Pat. log 99.0. At 9:35 set fore and aft sail save flying jib, but took it in again shortly. Ship steady Steaming under two boilers. By order of the Comdr released from confinement and restored to duty J. Holmes (App. S.C.) and C. E. Reiff (App. S.C.). The Comdr awarded the following punishments: J. Collins (M. Att.), stealing fruit from Wardroom pantry, 28 hrs. extra duty; C. V. Eddings (App. S.C.), out of uniform at quarters, reduced to 2d Class. Set clock ahead 4 minutes. At 9:50 held divine service. Av steam 45; rev 39.1.

C. M. Baha, Lieut.

Meridian to 4 P.M.

Cloudy and pleasant. Light airs and breezes, variable in direction. Barometer steady. At 2:15 set fore and aft sail and forecast, and took it in at 3:15. At 3:45 set fore and aft sail again. Course E.N.E. ½ E., steaming with fires under two boilers, and under fore and aft sail. Av steam pressure 48. Revolutions 40.7.

Albert Rieu
Ensign, USN.

4 to 6 P.M.

Cloudy and pleasant. Light breezes from S.S.W., and S. & by S. Barometer steady. At 4:47 took in fore and aft sails, and set them again at 5:20 and set forecast. Took in forecast about 5:50. Put in jackasses. Rigged great gun target. Under steam and fore and main topmast staysails, jib, main trysail and spanker at end of watch on course E.N.E. ½ E. (P.S.C.). Average steam pressure 36.5 lbs., average revolutions 36.8.

W. J. Marion,
Ensign, USN.

6 to 8 P.M.

Cloudy and pleasant. Light to gentle breeze from South and S.S.W. On course E.N.E. ½ E. under steam and sail. Boilers C and D. Jib, fore and main topmast staysails, trysail and spanker. At 7:00 set forecast. Passed a steamer heading W.S.W. Gr. steam 37. Av revolutions 37.3.

Ensign, USN.

8 P.M. to Midnight.

Fair and pleasant. Gentle breezes to light airs from S.W. to W.S.W. Bright moonlight. Ship rolling 6 times per minute, 4° each side to swell on port quarter. At 8:00 set clock ahead 18 minutes. Took in main topmast staysail at 10:00. At end of watch under steam and forecast, jib, fore topmast staysail, trysail and spanker, on course E.N.E. ½ E. (P.S.C.) log 92.4. Av steam 38. Av rev 37.8.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

C. F. Leiper
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Algiers, to Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	7	1	99.5	E.N.E. ½ E.	W.S.W.	3			30 11	81	78	74	75	bcl	c-cu-S.	W.	7	S.
2	7	0	6.5	"	"	2			30 11	81	78	74	75	"	"	"	6	"
3	7	4	13.9	"	N.W.	2			30 11	80	77	74	74	"	"	"	6	"
4	7	1	21.0	"	"	2			30 11	82	77	74	74	"	"	"	4	"
5	7	1	28.1	"	W by S.	2			30 11	82	77	74	74	"	"	"	5	m.
6	7	1	35.2	"	W by N.	2			30 11	82	77	74	74	bc.	"	—	5	"
7	7	2	42.4	"	West	3			30 11	82	77	74	74	"	"	—	4	"
8	7	5	49.9	"	"	4			30 11	81	77	74	74	bcgy.	cu-n.	—	5	"
9	7	4	57.3	"	"	4			30 11	79	76	72	74	"	"	W.	2	"
10	6	8	64.1	"	W.S.W.	3-5			30 13	77	72	69	74	bcr	m.	"	9	"
11	3	8	67.9	"	"	3			30 13	81	74	70	74	bc	cu-n.	"	6	S.
Noon.	3	8	71.7	"	"	3			30 13	85	80	75	74	"	"	"	5	"

Position at 8 A. M. { Latitude by dLR. 37° 52' 48" N. Mag. Temp.
Longitude by dLR. 6° 2' 33" E. For Apl.

Position at noon: { Latitude by observation 37° 55' 18" N. 78-77 77-76
Longitude by observation 6° 19' 48" E.
Latitude by D. R. 35° 1' 30" N.
Longitude by D. R. 6° 27' 00" E.

Course made good since preceding noon: N. 67° E.

Distance made good since preceding noon: 161 miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.3 miles, set S.W. by S. true.

Position at 8 P. M. { Latitude by dLR. 38° 6' 54" N.
Longitude by Obs. 6° 54' 48" E.

Variation of compass: from chart 11° 42' W'ly.

Error of compass observed at H 07 P.M. 6° 43 W'ly.

Deviation of compass on E.N.E. ½ E. 5° 00' Ely.

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 8 tons, 530 lbs.

Coal remaining on hand at noon, 120 " 223 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	3	7	74.3	E.N.E. ½ E.	W.S.W.	3			30 12	86	81	76	74	bc.	cu-n	W.	5	S.
2	3	5	77.8	"	West	3			30 11	86	79	74	74	"	cc.		4	"
3	2	8	80.6	"	"	2			30 11	85	80	75	74	"	"		3	"
4	1	9	82.5	"	W.S.W.	2			30 11	86	75	75	76	"	"		2	"
5	1	4	83.0	"	"	2			30 10	84	78	75	76	"	"		2	"
6	3	7	86.7	E.N.E. ¾ E.	W. by N.	1			30 09	83	77	75	75	"	"		2	"
7	6	9	93.6	"	"	1			30 09	82	77	75	75	"	a-cu		6	"
8	7	2	100.8	"	"	1			30 11	81	76	74	75	"	"		5	"
9	7	0	7.8	"	Calm.	0			30 10	80	75	74	75	bcw	"		3	m.
10	7	0	14.8	"	S.S.W.	1			30 10	79	74	73	75	bcwl	"		4	"
11	7	0	21.8	"	"	2			30 09	77	73	73	75	"	"		5	"
Mid.	7	0	28.8	"	"	3			30 09	76	73	73	75	bcw	cu.		7	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, October 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to fair and pleasant. Bright moonlight. Gentle to light breeze from W.S.W. to N.W. Ship rolling at times 10° each side, 6 times per minute to following swell. Steaming with two boilers - C & D; under forecal and all fore and aft sail save flying jib and main topmast stayeail. At 1:45 took in all fore and aft sail save jib. At 3:00 set main tryeail. Course E.N.E. ½ E. (P.S.C.) Moon set at 3:33. Average steam 41. Revolutions 38.5.

Chas Parks
Lieut., U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Light breeze to moderate breeze from W. by N. to W. by S. Barometer steady. At 4:40 took in jib and main tryeail. Course E.N.E. ½ E. (P.S.C.). Ship rolling easily to moderate swell on port quarter, making about 7 rolls per minute. Max roll 15° stbd & 12° to port. Steaming with two boilers. Average steam pressure 42, average rev 38.9. Land in sight on stbd beam after daylight.

W. Hurlbut
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and rainy first part, clear and pleasant afterwards. Moderate breeze from West, gentle to stiff breezes in squalls from W.S.W. second hour, and gentle breezes from W.S.W. Barometer steady. No absentees at 9:30. The Comdg Officer assigned the following punishments:- J. Holmes (App. 3 C) and C. F. Raff (App. 3 C) for throwing filthy articles on wardroom table during dinner - 5 days confinement on bread and water, and they were so confined. At 8:25 set fore topsail and topgallantsail. At 9:36 stopped engine, low banked fires under boiler "D" and retained boiler "C" in use for distilling. Sent distilled water forward about 10:10. At 9:50 set all sail except mainsail, royals and flying jib. About 11:00 crossed royal yards and set royals and flying jib. Hauled down main topmast stayeail. The Ordnance Officer reported the cylinders of all guns overhauled and full. Average steam pressure 41 lbs., average revolutions 38.1. On course E.N.E. ½ E. (P.S.C.) under all sail except mainsail, and main topmast stayeail.

W. J. Manon
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and fine. Light to gentle breeze from W.S.W. and West. On course E.N.E. ½ E. under all sail except mainsail and main topmast stayeail. At 12:30 took in flying jib, fore topmast stayeail, and tryeail. Issuing clothing and small stores.

W. R. Baldwin
Ensign, U.S.N.

4 to 6 P.M.

Clear and pleasant. Light W.S.W. by breezes first hour followed by light W. by N. by airs last hour. Rolling easily 6 times per minute 6° each side to following swell. At 5:00 log 83.0, Changed course to E.N.E. ½ E. (P.S.C.). From 4:45 to 5:30 exercised at sail drill, reefing topsails, and furled all sail. Went ahead on engine at 5:30, boilers "C" & "D" in use. A steamer was sighted, bound to North'd. At end of watch under steam on course E.N.E. ½ E. (P.S.C.) log 86.7. Av. steam 43. Av. revolutions 41.

Reeds Earle,
Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant, light airs from W. by N. Under steam alone. Course E.N.E. ½ E. (P.S.C.). Ship rolling at times 10° each side, 6 times per minute, to following swell. Steam 43. Revolutions 38.4.

Chas Parks
Lieut., U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Calm to gentle S.S.W. breeze. Barometer falling very slowly. Lightning to North'd and East'd first two hours. Course E.N.E. ½ E. (P.S.C.). Ship rolling easily about 6 times per minute to moderate swell on port quarter. Max roll 10° to port and 1° to stbd. At 11:15 set fore and aft sail save flying jib. Steam 45 lbs. Rev. 38.8. Bright moonlight.

W. Hurlbut
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leipn.
Lieut. Navigator.

6-205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Algiers to Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, allowed.	State of the Sea.
A. M.																		
1	6	5	35.3	E. N. E. ½ E.	S.S.W.	2			30 08	76	72	69	73	bc.	cu.	—	2	S.
2	6	8	42.1	"	"	1			30 06	74	72	69	73	"	cu-cu	W	2	"
3	7	4	49.5	"	Calm.	0			30 05	72	73	69	73	"	a-cu	"	5	"
4	7	0	56.5	"	"	0			30 05	73	73	73	73	"	cu-s.	"	6	"
5	6	2	62.7	"	N. E.	2			30 05	74	73	69	73	bcl	"	"	6	"
6	6	6	69.3	"	N. E. by E.	3			30 05	74	73	73	73	bc.	"	—	5	"
7	6	7	76.0	"	"	2			30 05	74	73	73	73	"	"	—	5	"
8	6	7	82.7	"	E. N. E.	2			30 07	77	74	73	73	"	"	—	5	"
9	4	9	87.6	"	E.	1			30 08	77	74	74	74	"	"	—	4	"
10	—	—	—	Various	E. S. E.	1			30 08	77	74	73	73	"	cu-cu	—	5	"
11	—	—	—	"	East	1			30 11	76	74	73	73	"	"	—	4	"
Noon.	1	8	89.4	E. N. E.	N. E.	1			30 11	77	75	73	73	"	"	W.	6	"

Position at 8 A. M.: Latitude by alt. 38° 31' 42" N. Mag. Temp.
Longitude by Obs. 8° 33' 30" E. For. Aft.

Position at noon: Latitude by observation 38° 27' 24" N. 79-77 78-77
Longitude by observation 8° 37' 45" E.
Latitude by D. R. 38° 40' 12" N.
Longitude by D. R. 8° 39' 48" E.

Course made good since preceding noon: N. 73° E.

Distance made good since preceding noon: 115 miles.

Distance by Log since preceding noon: 119 miles.

Current per hour: 0.5 miles, set S. 8° W. true.

Position at 8 P. M.: Latitude by Alt (bearings) 38° 52' 2" N.
Longitude by Obs. (bearings) 9° 34' 30" E.

Variation of compass: from chart 11° 00' Wly

Error of compass observed at 8:09 5° 8' Wly.

Deviation of compass on E. N. E. ¾ E. 5° 52' Ely.

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, 7 tons, 670 lbs.

Coal remaining on hand at noon, 112 " 1793 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, allowed.	State of the Sea.
P. M.																		
1	3	2	92.6	E. N. E.	N. E. by E.	1			30 08	77	77	75	73	bc	cu-cu	W	5	S.
2	3	3	96.9	N. E. by E. ½ E.	"	1			30 07	77	77	75	73	"	"	—	5	"
3	7	2	3.1	"	E. N. E.	1			30 08	79	75	74	73	bcp	cu-n	W.	8	"
4	7	1	10.2	"	"	1			30 08	80	75	74	73	bc	"		9	"
5	7	3	17.5	"	N. E.	1			30 07	78	75	74	73	bcp	"		9	"
6	6	6	24.1	"	S. E.	1			30 07	78	75	74	73	bcp	"		9	"
7	6	8	30.9	E. N. E. ½ E.	"	2			30 06	78	74	74	73	ocd	n.		10	"
8	6	9	37.8	"	"	1			30 05	78	75	72	73	"	cu-s		10	"
9	7	0	44.8	"	"	2			30 05	78	75	73	73	"	"		10	"
10	6	2	51.0	"	N. E. by E.	2			30 07	77	74	73	73	oc	"		10	"
11	5	8	56.8	"	"	3			30 07	77	74	73	73	"	"		10	"
Mid.	6	0	62.8	"	"	3			30 09	76	73	72	73	bcl	"		9	"
	6	7	69.5	"	E. by N.	3			30 09	76	73	72	72	"	cu-n		8	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, October 17th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Bright moonlight. Light breeze falling to light airs from S.S.W and calms. Barometer falling slowly. Ship rolling at times 6° to stbd. and 6° to port, 7 times per minute to following sea. About 1:20 sighted a bark two points on stbd. bow, going to East'd; passed to North'd of bark. About 3:00 wind hauling ahead, took in all sail. Under steam alone at end of watch on course E.N.E. 3/4 E. (P.S.C.). Average steam pressure 41 lbs., average revolutions 37.3.

W. J. Manion
Ensign, U.S.N.

4. to 8. A.M.

Clear and pleasant. Light to gentle breeze from N.E., N.E by E. and E.N.E. On course E.N.E. 3/4 E. under steam on C. & D. Boilers. At 4:30 a steamer passed bound N.W. At daylight sighted the Island of Sardinia bearing about N.E. Sighted two sail. Av. rev. 37.4. Av. steam 43.

F. L. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Light variable airs. On course E.N.E. 3/4 E. (P.S.C.) until 9:00, after which steering various courses at target practice until 11:46 when put ship on course E.N.E. (P.S.C.) log 37.6. From 9:00 to 11:30 held target practice with 4" R.F.G., 6-pdr. and 1-pdr., at ranges from 1000 to 1400 yds. steaming at about six knots. Expended 12 cast iron and 6 cast steel 4" common shell, 140 common 6-pdr. shell, and 61 common 1-pdr. shell. Set clock ahead 10 minutes at 11:15. Coast of Sardinia in sight on port hand. Sighted one steamer and two sailing vessels. At end of watch on course E.N.E. (P.S.C.) log 89.4, under steam alone. Av. revs. 33.4. Av. steam 40.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy and pleasant. Light airs from N.E. to E.N.E. Under steam alone. Course E.N.E. (P.S.C.). At 12:30 changed course to N.E. by E. 1/2 E. (P.S.C.). Coast of Sardinia on the port hand in sight all the watch. Rolling 6° to each side at times, 6 rolls per minute. Steam 46. Revs. 39.3.

Chas. Belknap
Lieut, U.S.N.

4. to 6. P.M.

Cloudy and pleasant. Light S.E. airs and breezes. Barometer falling slowly. Land in sight all watch. At dark sighted two light houses, one on port bow and one on port quarter. At 5:00 changed course to E.N.E. 1/2 E. (P.S.C.). Steaming. Ship almost steady. Revs 38 Steam.

E. Thurber
Ensign, U.S.N.

6. to 8. P.M.

Cloudy and pleasant. Light airs and breezes from S.E. Barometer steady. About 7:25 set jib, fore topmast staysail, main trysail and spanker, and about 7:48, wind hauling ahead, took in all sail again. At 7 1/3 Caroli Island Light bore broad off port bow, pat. log reading 39.2. Under steam alone at end of watch, ship nearly steady. Average steam pressure 41.1 lbs., average revolutions 38.6.

W. J. Manion
Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy and pleasant. Moon shining through clouds. Light to gentle breeze from N. E. by E. and E. by N. At 9:10 Caroli Island Light bore steam distant 13.3 miles. On course E.N.E. 1/2 E. under steam. C. & D. Boilers. At 8:30 set fore and aft sail, taking in jib and trysail immediately, and at 11:00 took in spanker and main topmast staysail. Av. steam 48. Av. revs. 37.

F. L. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. T. Leeper
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Algiers, to Naples & Italy.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From	CLOUDS. Amount, allotted.	State of the Sea.
A. M.																		
1	6	1	75.6	E N E ½ E	N. E.	2			30 09	75	73	73	73	ocnl.	S. m.	N. E.	10	8
2	6	8	82.4	"	"	2			30 07	74	73	73	73	"	"	"	10	"
3	6	6	89.1	"	East	1			3005	73	73	73	72	bwl	"	—	8	"
4	6	9	96.0	"	"	1			3004	74	73	73	72	"	"	—	7	"
5	6	9	2.9	"	N. E. by N.	2			3004	76	73	73	72	"	a. cu.	—	6	"
6	6	5	9.4	"	"	5			3004	76	73	73	72	bclg.	cu. m.	S. E.	8	"
7	5	3	14.7	"	N. E.	5			3006	76	73	73	72	bclgs.	"	"	8	"
8	Sailing by Patent Log 3 1/2 miles.			"	N. E. by E.	5			30 07	75	72	70	72	"	"	—	8	"
9	3	7	22.6	E N E.	"	5			3009	76	73	71	72	bc	"	—	8	"
10	7	0	29.6	"	E. by S.	5			30 11	78	74	72	72	bcp.	"	—	9	"
11	7	2	36.8	"	S. E.	4			3005	78	71	71	71	"	"	SE.	8	m.
Noon.	5	9	42.7	"	"	4			3009	79	73	72	72	"	"	"	8	"

Position at 8 A. M. { Latitude by DR — 39° 19' 32" N. Mag. Comp. 78-77.
Longitude by Obs. — 10° 51' E. Var. 2 1/2 E

Position at noon: { Latitude by observation — 39° 27' " N. 79—
Longitude by observation — 11° 15' " E.
Latitude by D. R. — 39° 81' 20" N.
Longitude by D. R. — 11° 30' " E.

Course made good since preceding noon: N. 68° E.

Distance made good since preceding noon: 103 miles.

Distance by Log since preceding noon: 103.8 miles.

Current per hour: 0.5 miles, set S. 77° W true.

Position at 8 P. M. { Latitude by DR — 39° 53' " N.
Longitude by DR — 12° 14' " E.

Variation of compass: No observations

Error of compass observed at

Deviation of compass on :

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, 9 tons, 240 lbs.

Coal remaining on hand at noon, 103 " 1553 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From	CLOUDS. Amount, allotted.	State of the Sea.
P. M.																		
1	3	6	46.1	E. N. E.	S. S. E.	4			30 10	81	73	72	72	bcp	cu. m.	SE.	7	m.
2	7	1	53.2	E N E ½ E ½ E	"	4			30 10	79	73	71	72	"	"	—	8	"
3	6	4	63.2	"	"	4			30 09	78	72	72	72	ocp.	"	SE.	10	"
4	5	9	69.1	"	E. by S.	4			30 09	76	72	72	72	"	"	"	10	"
5	5	7	75.0	"	"	4			30 09	75	72	72	72	bcp.	"	"	8	"
6	6	4	81.4	"	E S E.	5			30 09	75	70	70	71	ocp.	m.	—	10	"
7	7	0	88.4	"	"	5			30 10	75	70	70	71	ocl.	"	—	10	"
8	6	4	94.8	"	"	5			30 12	72	70	70	71	"	"	E.	10	"
9	5	3	0.1	"	East	5			30 10	71	69	69	72	"	"	"	10	C
10	4	1	4.3	"	"	6			30 11	69	69	68	72	ocp	"	"	10	"
11	3	6	7.9	"	"	6			30 12	70	68	68	72	"	"	"	10	"
Mid.	3	5	11.4	"	"	6			30 13	70	67	67	72	"	"	—	10	"

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, October 18th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast to cloudy and pleasant. Light N.E. by breezes first half, with light East by airs last half. Barometer falling. Moonlight. Bright lightning from N.E. to S.E. At end of watch under steam on course E.N.E. ½ E. (89.5 C.) log 4.6. Av steam 39. Av revs. 37.7.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and cool. Light breeze from N.E. by N. to fresh breeze from N.E. by E. Course E.N.E. ½ E. (85.5 C.) At 5:00 set jib, main topmast staysail, main trysail and spanker. At 5:30 took in main topmast staysail and at 7:00 took in all fore and aft sail. At 7:05 stopped to pick up a hammock that had fallen overboard. At 7:29 hauled in pat log = 18.4. Lowered whale boat and sent it to get the hammock. Waiting return of whale boat at end of watch. Lighted fires in boiler B for distilling at 7:50. Moon set at 5:15. Ship nearly steady. Av steam 44.1. Revs. 38.5.

C.M. Fahs
Lieut., U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant, passing rain showers. Stiff to moderate breeze from N.E. by E. to S.E. Barometer fluctuating. At 9:20 set jib, spanker & main topmast staysail. At 9:30 mustered at quarters & instructed divisions. At 10:15 set fore topmast staysail and main trysail. The Captain awarded the following punishments:- A.E. Skinner and M.C. Daniels on (App. 3.C.) shirking from furling during sail drill, quarantened on next port; F.D. Williams and A.J. Curran (App. 3.C.) shirking and skulking away during sail drill, 2nd Class; T. Dwyer, A. Robinson, F.D. Cox, P.E. Berry, B.J. Bolender, W.W. Totten, F.D. Chapman, A. Lundgren and J. Whelan, (App. 3.C.), failing to put clothes on line when ordered, 4 hrs. extra duty each; R.J. White (App. 3.C.) stupidity in carrying messages, 1 weeks extra duty; T. Macfadd (App. 3.C.) noisy at mess table 4 hrs extra duty. At 10:45 started distilling. Course E.N.E. after 8.5. Ship nearly steady, pitching slightly at times. At 8:30 sent down topgallant yards. Av steam pressure 44. Revs 39.3. Sighted several sail. Picked up whale boat and started ahead again at 8:10.

Ensign, U.S.N.

Put over pat log

Meridian to 4 P.M.

Generally overcast, with light passing showers at intervals. Moderate breezes from S.E. and E. by S. Barometer steady. Broke out fore hold and got out 3½-inch steel hawser and 7-inch hemp hawser handy for mooring ship. At 11:46 wind hauling ahead. Took in all sail. At 12:30 changed course to N.E. by E. 3/4 E. (74.5 C.) (Standing W.S.) On course under steam alone at end of watch. Ship nearly steady. Average steam pressure 42.5 lbs., average revolutions 39.8.

Ensign U.S.N.

4 to 6 P.M.

Overcast and threatening. Moderate breeze from E. by S. Barometer steady. Under steam. Both Boilers At 4:55 connected up C Boiler. Mustered at quarters at 5:15, and exercised at setting up drill. Ship pitching slightly to head sea. Av steam 47. Av revs. 39.3.

Ensign U.S.N.

6 to 8 P.M.

Overcast with heavy rain. Stiff E.S.E. by breezes. Barometer rising. Ship pitching to head sea. At end of watch under steam on course N.E. by E. 3/4 E. (80 C.) log 9.8. Av steam 43.2 Av revs 42.2

Ralph Earle,
Ensign U.S.N.

8 P.M. to Midnight.

Overcast and cloudy. Blowing in fresh squalls from East. Rain at times. Ship pitching deeply at times to choppy sea. Under steam alone. Course N.E. by E. 3/4 E. (82 C.) The stbd. fore chain lifter of the smokestack carried away while the ship was pitching. Av at 48. Revs. 38.5

C.M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E.F. Leiper
Lieut. & Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Algiers, to Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as usual.	State of the Sea.
A. M.																		
1	3	1	14.5	N.E. by E. ¾ E.	E. by S.	5-7			30.15	69	66	66	71	ovcd	N.	E.	10	C.
2	3	1	17.6	"	East	5-7			30.14	69	66	66	71	ovcr	"	—	10	"
3	2	8	20.4	"	"	5-7			30.12	69	65	65	70	"	"	—	10	"
4	2	1	22.5	"	E. by N.	5-7			30.10	67	64	64	70	"	"	—	10	"
5	1	0	23.5	"	"	5-7			30.10	67	64	64	70	"	"	NE.	10	"
6	1	7	25.2	"	"	5-7			30.10	68	64	64	70	"	"	"	10	"
7	2	5	27.7	"	"	5-6			30.11	69	65	64	70	"	"	"	10	"
8	3	1	30.8	"	"	5-6			30.12	69	65	64	70	"	"	"	10	"
9	2	7	33.5	"	"	6			30.13	68	67	65	70	ovr	"	"	10	"
10	2	4	35.9	E.N.E. ½ E.	"	6			30.14	68	67	65	70	"	"	S.W.	10	"
11	2	1	38.0	"	"	7			30.15	68	65	65	70	ovcp	"	"	10	"
Noon.	2	4	38.8	"	"	7			30.15	67	64	64	70	ovcr	"	"	10	"

Position at 8 A. M.: Latitude by dlR 40° 11' 00" N. Mag. Temp. Air
Longitude by dlR 12° 55' 00" E. Var. 79— 77-76

Position at noon:
Latitude by observation
Longitude by observation
Latitude by D. R. 40° 15' 00" N.
Longitude by D. R. 13° 6' 00" E.

Course made good since preceding noon: N. 61° E.

Distance made good since preceding noon: 96 miles.

Distance by Log since preceding noon: 96 miles.

Current per hour: — miles, set — true.

Position at 8 P. M.: Latitude by dlR 40° 12' 30" N.
Longitude by dlR 13° 16' 42" E.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, 1600 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, ½ tons, 570 lbs.

Coal remaining on hand at noon, 91 " 983 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as usual.	State of the Sea.
P. M.																		
1	0	2	39.0	E.N.E. ¼ E.	E. N. E.	7			30.11	67	64	64	70	ovcr	N.	—	10	R.
2	0	7	39.7	"	"	7			30.18	67	64	64	70	ovlt.	"	NE.	10	"
3	0	9	40.6	"	"	7			30.15	67	64	64	69	"	"	"	10	"
4	0	9	41.5	"	"	7	S.		30.15	66	61	61	71	ovr	"	"	10	"
5	1	4	42.9	"	N. E. by E.	7	S	Rs	30.19	67	61	61	67	"	"	"	10	"
6	2	0	43.9	E. S. E.	"	7	4°	2°	30.20	68	60	60	67	"	"	"	10	"
7	2	0	44.6	S.E. by S. ½ E.	E. by N.	6	4°	2°	30.22	68	61	60	67	"	"	"	10	m.
8	2	0	46.0	"	"	6	4°	2°	30.23	68	60	60	67	"	"	"	10	"
9	1	7	46.9	E. by S.	N. E.	6	4°	2°	30.25	68	60	60	68	oc	"	"	10	"
10	2	0	46.9	"	"	6	4°	2°	30.26	68	59	59	68	lve	cum	"	8	"
11	2	0	46.9	E. S. E.	"	6	4°	2°	30.27	72	59	59	68	"	cu	"	5	"
Mid.	2	0	47.6	"	"	6	4°	2°	30.29	71	59	59	68	"	"	"	4	"

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, October 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and rainy. Stiff to fresh breeze from S by S. to S by W. Barometer falling. Moderate cross sea. Ship pitching easily to head sea, taking spray in bow occasionally. Steaming. Course N. E. by S ¾ E. (P.S.C.). Rev. 37.7. Steam 47.5.

Ensign, USN.

4 to 8 A.M.

Overcast, cloudy and rainy. Stiff to fresh breezes from S by W. Barometer rising slowly. Moderate cross sea. Ship pitching easily, occasionally taking light spray over bow. Slowed down to ease ship when ever we approached high seas. Under steam alone on course N. E. by E. ¾ E. (P.S.C.). Revolutions 38.1. Steam 51 lbs.

W. J. Marion
Ensign, USN.

8 A.M. to Meridian.

Overcast. Fresh breezes from S. by W. On course N. E by E. ¾ E. under steam alone. At 9:10 changed course to E N. E ¼ E. per log 33.9. Mustered at quarters at 9:30 no absentees. Instructed apprentices in seamanship and gunnery. Punishments awarded by the Captain:- D. Wrochlage, E. W., A. S. C. guarantined in mess part for leaving station on cat head lookout and going below. Franks, P. C., A. S. C. 6 hrs extra duty for sleeping in another person's hammock. Berry, R. G. Allan, C. L., and Pettit, J. H., do. S. C. 4 hrs extra duty for sleeping in another person's hammock. M. Zachary, M. Att., was released from confinement at his term having expired. Ship pitching to head sea. Slowing engine at intervals to avoid hitting heavy seas. Several steamers sighted. Av. Ibc. 45. Av. rev. 38.3

J. R. Belknap
Ensign, USN.

Meridian to 4 P.M.

Overcast with heavy rain. Lightning and thunder during part of watch. Very fresh breezes from E. N. E. Steaming at slow speed, just making steerage way with head wind and rough head sea. Ship pitching moderately. On course E. N. E. ¼ E. (P.S.C.). Sailing vessel bound to North'd passed about one mile astern at 3 P.M. Steamer which passed ahead on port side crossed our bow and lay to off our stbd bow about

Ralph Earle,
Ensign, USN.

2 P.M. Av. st 42. Rev. 36.4.

4 to 6 P.M.

Overcast with frequent rain squalls. Blowing very fresh breeze from N. E. by E. Rough sea from N. E. by E. Steaming on course E. N. E. ¼ E. (P.S.C.). At 6:15 hove to on port tack, and set storm trysail and foot of main trysail. Bent the fore storm staysail. When ship was hove to slowed engine to 30 turns. Disconnected Boiler B and banked fires in it. Steam 43 lbs. Rev. 33.2

C. M. Fahs
Lieut., USN.

6 to 8 P.M.

Overcast and rainy. Very fresh S by W. breeze. Barometer rising slowly. Lying to under foot of main trysail and storm mizzen. Making way and about S. S. W. ½ W. (P.S.C.). Making 30 turns on engine. Ship pitching easily to moderate sea on stbd bow. Rolling very slightly at times. Steam 31. Rev. 29.

Ensign, USN.

8 P.M. to Midnight.

Overcast until 9:30 then clear, bright moonlight and starlight during most of the watch. Fresh breezes from N. E. Barometer rising slowly. Lying to under foot of main trysail and storm mizzen until midnight when sail was taken in and course set S. W. E. (P.S.C.). Patent log not registering. Hauled it in about 11:00, it was found to be clear and was put over again. Ship pitching easily to moderate head sea. Courses made good during watch E by S. and E. S. E. Average revolutions 29, average steam pressure 40 lbs.

W. J. Marion,
Ensign, USN.

Examined and found to be correct.

F. F. Lenton,
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Algiers, to Naples, Italy

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	2	1	49.5	E.N.E	E.N.E	6			30.27	66	65	64	69	bc	ci-cu.	S.W.	4	M.
2	3	3	52.8	"	"	5-6			30.29	65	65	63	69	"	"	"	2	"
3	3	1	55.9	"	"	6			30.27	65	65	63	69	"	"	"	1	"
4	3	0	58.7	"	"	6			30.28	65	65	62	69	"	ci-s.	-	2	"
5	3	0	61.6	"	"	6			30.29	65	65	62	69	"	"	"	2	"
6	3	6	65.2	"	"	6			30.31	66	65	62	68	"	"	-	2	"
7	3	8	69.0	"	"	6			30.33	67	65	62	68	"	"	-	3	"
8	3	7	72.7	"	"	6			30.35	68	65	62	68	"	"	-	3	"
9	4	5	77.2	"	"	5			30.41	70	67	63	68	"	ci-cu	-	6	"
10	6	8	84.0	"	N.E.	4			30.45	68	66	61	68	"	n.	S.W.	6	"
11	7	0	91.0	Various	"	4			30.45	70	68	62	68	"	"	"	8	"
Noon.	2	6	93.6	"	"	4			30.42	72	68	63	-	"	ci-cu	-	5	-

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Comp. For. Aft.
Longitude by ° ′ ″ 78 - 76-75

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 64.8 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 11 tons, 1760 lbs.

Coal remaining on hand at noon, 79 " 1018 "

Hours																		
P. M.	Moored																	
1					N.E.	4			30.40	72	70	64		bc	ci-cu	S.W.	5	
2					"	4			30.40	73	70	65		"	"	"	3	
3					"	3			30.40	73	70	65		"	"	"	3	
4					"	3			30.40	73	67	64		"	"	"	3	
5					"	3			30.42	69	65	63		"	ci.	-	2	
6					"	3			30.43	68	63	61		"	"	-	1	
7					"	3			30.43	68	63	61		"	"	-	1	
8					"	2			30.44	68	62	58		bw	None	-	0	
9					N. by E.	2			30.44	66	60	57		"	"	-	0	
10					"	2			30.44	65	60	57		b.	"	-	0	
11					"	1			30.44	64	59	56		"	"	-	0	
Mid.					"	1			30.44	64	58	55		"	"	-	0	

4-25

under the command of Commander Frank Courtis , U. S. Navy,

Friday, October 20th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear. Fresh breeze from E.N.E. Rough sea slightly moderating. On course E.N.E. under steam, two boilers, making about 55 revolutions. At 1:00 connected up B boiler and increased to 40 turns. Ship riding easily to head sea. At 2:00 sighted Ischia & Leland Light bearing about N.E. by E. Av. st. 46. Av. revs. 384.

H. Rellen
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Fresh E.N.E. by breeze. Ship pitching moderately to rough head sea. Set clock back 16 minutes at 5:30 to Rome time. Ambient fore storm stayed. Under steam. At daylight sighted Ischia and Capri Islands, and Mt. Vesuvius ahead. On course E.N.E. (NE), log 73.7 at end of watch. Av. steam 48. Av. revs. 40.

Ralph Earle.
Ensign, USN.

8 A.M. to Meridian.

Cloudy to fair. Pleasant. Stiff to moderate breeze from E.N.E. to N.E. Under steam alone on course E.N.E. (NE). Standing in for the harbor of Naples latter part the Commander coming. At 11.20 took in pilot log 93.6. Took pilot on board at 11.30 and stood in for berth made breakwater. Let go first the stbd. anchor, and as the ship swung around stern towards breakwater, let go port anchor; both anchors in 10 fms. Veered to 45 fms. on stbd. and 35 fms on port chain. Secured the stern of the ship to the breakwater with a wire hawser. Occupied berth A. As the ship was entering port, fired a salute of 21 guns, Italian Ensign at the main, which was returned gun for gun by the Italian man-of-war "Confianza" with U. S. Ensign at her main. An officer called on behalf of the Italian Vice Admiral and requested a salute for the Prince of Naples. Fired accordingly a salute of 21 guns, with the U.S. Ensign at both the fore and mizzen, and the Italian Ensign at the main. An officer called on behalf of the Italian Vice Admiral bringing thanks for this latter salute. Let fires die down in Boilers B & D, and commenced distilling with boiler C. The health officer called on board and granted pratique. Av. steam 48. Revs. 41.

C. M. Fahs
Lieut., USN.

Meridian to 4 P.M.

Fair and pleasant. Moderate to gentle N.E. breeze. Barometer steady. Sent an officer to return boarding call, also one to call on the Consul. Finished securing ship and getting boats and ship ready for port. Cleaned and disinfected bilges. Made weekly test of magazine flood and drain cocks and found them in good condition. Overhauled and took in slack of wheel ropes. Several steamers came into and left port. Delivered a permanent appointment as Q.M.1.C. to D. McKeown.

Ralph Earle
Ensign, USN.

4 to 8 P.M.

Fair and pleasant. Gentle N.E. breeze.

C. M. Fahs
Lieut., USN.

8 P.M. to Midnight.

Clear and cool. Light breeze and airs from N. by E. Barometer steady. North German Lloyd steamer left harbor.

Ralph Earle
Ensign, USN.

Examined and found to be correct.

J. F. Luper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Bearing of.	Amount, each in tenths.	State of the Sea.
A. M.																		
1					N. N. E.	3			30 43	63	56	53		b	bme		0	
2					"	2			30 43	63	55	54		bc	ci		1	
3					"	2			30 42	62	55	54		"	cr-cu		3	
4					"	3			30 40	62	55	54		"	"		3	
5					"	1			30 41	62	57	54		"	"		4	
6					"	1			30 41	62	57	54		"	"		2	
7					"	1			30 43	72	57	54		bcm	"		2	
8					"	1			30 43	72	57	54		"	"		2	
9					"	1			30 46	73	65	61		"	cu		2	
10					"	1			30 50	77	67	64		"	"		2	
11					"	1			30 51	78	68	64		"	"		2	
Noon.					Calm	0			30 51	78	70	66		bc	-		1	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Air 78 — Water 75-74

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 520 lbs.

Coal remaining on hand at noon, 78 " 493 "

P. M.																		
1					Calm	0			30 50	78	69	66		bcm	cus		1	
2					S. W.	1			30 49	78	69	66		"	"		2	
3					"	1			30 49	78	69	67		bm	bme		0	
4					"	1			30 49	80	70	68		"	"		0	
5					West	1			30 48	76	68	66		"	"		0	
6					"	1			30 48	75	65	64		bcm	"		0	
7					N. E.	1			30 49	74	64	64		"	"		0	
8					"	1			30 49	70	63	63		"	"		0	
9					Calm	0			30 48	68	60	60		"	"		0	
10					"	0			30 48	67	60	60		"	"		0	
11					"	0			30 48	66	59	59		"	"		0	
Mid.					N. E.	1			30 47	63	57	57		"	"		0	

4—45

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, October 21st , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Bright moonlight. Gentle and light breezes from N. N. E. Barometer falling slowly. About 3:15 shut down distiller.

W. J. Mannion,
Ensign, U.S.N.

4. to 8. A.M.

Fair and pleasant. Light airs from N. N. E. Engaged in general cleaning. Received in Pay Dept. for crew fresh provisions as follows: 159 lbs of bread, 195 lbs. meat, and 197 lbs. vegetables. Set clock ahead 9 minutes. An Italian man-of-war came in and secured in one of the berths belonging to the Italian Naval vessels.

C. W. Parks
Lieut., U.S.N.

8 A.M. to Meridian

Clear and pleasant. Light N. N. E. airs and calms. Barometer rising. Cleaning ship. At 9:00 Italian battleship "Re Umberto" came into port and took berth on our port hand. At 9:15 U.S. Consul made a visit to the ship and was saluted with 7 guns on leaving. At 9:50 the Captain left the ship and made the following official calls: H.R.H. the Prince of Naples, The General, commanding the Division, The Vice Admiral, commanding the Naval forces, and the Rear Admiral commanding the Naval Station. By order of the Captain C.D. Reiff (apr. c) and J. Holmes (App. S.C.) were released from confinement, their times having expired. At 8:05 the Royal Yacht "Savoia" fired a salute of 21 guns in honor of the Prince of Naples. Sent an officer to make a boarding call on the "Re Umberto" which was returned. Hove in two fathoms of stbd chain. Let fires die out in boiler "C" at 11:45.

W. J. Mannion
Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Calm and light airs from S.W. Barometer steady. Bent sheet chain, stocked sheet anchor and got it ready for letting go. The Commanding Officer of this ship called officially on the Commanding Officers of the "Confidencia" (Guard Ship), the "Re Umberto", and the "Marco Polo". The Chief of the Staff of the Vice Admiral Commanding the Station returned the call of the Commanding Officer of this ship.

W. J. Mannion
Ensign, U.S.N.

4. to 8. P.M.

Clear and pleasant. Hazy. Light variable airs. Barometer steady. Moon rose at 7:2

W. J. Mannion
Ensign, U.S.N.

8. P.M. to Midnight

Clear and pleasant. Hazy. Calms and light airs from N. E. Barometer steady.

W. J. Mannion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lemly.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1					N. E.	1			30 46	62	57	57		bum.	Mns		0	
2					"	1			30 46	61	56	56		"	"		0	
3					"	1			30 45	61	56	56		"	"		0	
4					"	1			30 45	61	56	56		"	"		0	
5					N. N. E.	1			30 44	63	54	52		"	"		0	
6					"	1			30 44	63	54	52		bem.	a-s		2	
7					"	1			30 45	70	54	52		"	"		2	
8					"	1			30 48	68	59	55		"	"		1	
9					"	1			3049	69	64	65		"	"		1	
10					"	1			3050	75	68	60		"	"		1	
11					Calm	0			3050	80	70	68		"	"		1	
Noon.					South	1			3052	82	75	70		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp
Longitude by ° ' " For. Alt.
77— 74-12

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 4 80 lbs.

Coal remaining on hand at noon, 75 " 13 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as to 10.	State of the Sea.
P. M.																		
1					Calm	0			3052	83	70	67		bem	ci.		1	
2					S. W.	1			3052	84	70	67		"	"		1	
3					"	1			3051	84	69	66		"	"		1	
4					"	1			3050	84	69	66		"	"		1	
5					Calm	0			3049	79	67	66		bem	None		0	
6					"	0			3048	73	67	64		"	"		0	
7					N. E.	1			3047	70	63	61		"	"		0	
8					Calm	0			3047	67	61	60		"	"		0	
9					N. N. E.	1			3047	65	60	59		bew	"		0	
10					"	1			3047	64	58	57		bew	cu-		1	
11					"	1			3046	61	57	56		"	"		2	
Mid.					"	1			3046	61	57	56		"	"		1	

4—26

under the command of Commander Frank Courtis , U. S. Navy,

Sunday, October 22nd , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Light airs from N. E. Barometer steady. A steamer left port at 12:30.

F. P. Baldwin Ensign, USN.

4 to 8 A.M.

Clear and hazy. Light N. N. E. airs. Barometer steady. Received in Pay Dept following fresh provisions for issue to the crew:- 159 lbs. bread, 198½ lbs. each of meat and vegetables. Several steamers came into port.

W. J. Marion
Ensign, USN.

8 A.M. to Meridian.

Clear and misty. Light airs from N. N. E. and South and calms. Barometer rising slowly. At 9:30 mustered at quarters, after which the Captain inspected the ship and crew at quarters. No absentees. The Comdg Officer of the "Re Umberto" at 9:00 returned the call of the Commanding Officer of this ship. The Prefect of Naples province at 10:30 returned the call of the Commanding Officer. He was received with the customary honors and on his departure a salute of 13 guns was fired, Italian flag at the fore. Expended in the Department of Ordnance 13 saluting Charges.

W. J. Marion
Ensign, USN.

Meridian to 4 P.M.

Clear and fine. Calm and light airs from S. W. Barometer falling slowly. The Italian Gun Boat "Tevere" came in. An Aide to the General Commanding the Division returned the Captain's call on the General.

F. P. Baldwin Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Calms and light airs from N. E. Barometer falling slowly. Moon rose about 7:45.

W. J. Marion
Ensign, USN.

8 P.M. to Midnight.

Clear and fine. Light airs from N. N. E. Bright moonlight. At 9:00 A. Pedersen (Bm. S.C.) was brought on board light by the police of Naples charged with disorderly conduct.

F. P. Baldwin Ensign, USN.

Examined and found to be correct.

E. T. Leutze,
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, subtenths.	State of the Sea.
A. M.																		
1					N. E.	1			30 44	62	57	56		bum.	Cmc		0	
2					"	1			30 43	64	57	57		"	"		0	
3					"	1			30 43	64	57	57		"	"		0	
4					"	1			30 43	64	56	56		"	"		0	
5					"	1			30 43	61	54	54		"	"		0	
6					N. N. E.	1			30 43	61	54	54		"	"		0	
7					"	1			30 45	67	56	55		bm.	"		0	
8					"	1			30 45	64	57	55		"	"		0	
9					Calm.	0			30 48	68	60	58		"	"		0	
10					"	0			30 50	75	67	65		bem.	Fcu		1	
11					"	0			30 51	83	72	70		"	cu.		2	
Noon.					S W.	1			30 53	85	73	70		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Alt.

Position at noon: { Latitude by observation ° ' " 76— 72-71
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 77 " 1773 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, subtenths.	State of the Sea.
P. M.																		
1					S. W	1			30 53	87	73	70		bem	Fcu	SW.	3	
2					"	1			30 50	84	73	70		bc	"	"	3	
3					"	1			30 50	81	70	70		"	cu.	"	3	
4					"	1			30 50	80	70	68		"	"	"	3	
5					"	1			30 49	77	68	67		"	cu.	—	1	
6					Calm.	0			30 48	77	67	66		bw	Cmc	—	0	
7					"	0			30 48	76	65	65		"	"	—	0	
8					E. N. E.	1			30 46	72	63	63		bum	"	—	0	
9					"	1			30 45	71	63	63		"	"	—	0	
10					Calm	0			30 45	69	63	63		"	"	—	0	
11					"	0			30 45	67	63	63		"	"	—	0	
Mid.					"	0			30 45	65	62	62		"	"	—	0	

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Monday, October 2 3rd , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light N. & W'ly airs. Moonlight. P and O steamer "Omrah" left port at 2:00.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from N. & and N.N.E. Barometer steady. Received in the Department of Supplies and Accounts the following fresh provisions: 159 lbs. Bread, 198½ lbs. meat, 198½ lbs. vegetables. Crossed topgallant yards and loosed sail.

W. F. Manion,
Ensign, U.S.N.

8 A.M. to Meridian

Clear and fine. Warm. Calm with light airs from S.W. Last hour. Barometer rising. Mustered at quarters at 9:30. No absentees. Exercised at divisional drills as follows: 1st Div., pistols & signals, 2d Div., Artillery, 3rd Div., Small Arms, 4th & 5th Div., Battery. Secured at 10:30. At 11:00 sent boats out for exercise under oars. Boats returned at 11:30. At 11:30 furled sail. A Japanese torpedo boat came in. The following punishments were awarded by the Captain. A.B. Comerec (A.S.C.) Reduced to 2nd Class for disobedience of orders, not scrubbing clothes when ordered by Officer of the deck. R. J. Martin (A.S.C.) 1 weeks extra duty as boatkeeper for not manning boat when called away. R. J. White, W. S. Martin, M. J. Bartelme, P. J. Clowry and N. B. Walsh, (A.S.C.) 8 hrs. extra duty for disobedience of orders. J. A. Foley (A.S.C.) 8 hrs. extra duty for out of uniform at quarters. J. Whelan (A.S.C.) 8 hrs. extra duty for continued disregard of orders. L. A. Frank (A.S.C.) was placed in solitary confinement for 3 days on bread and water for shirking and failing to scrub clothes at proper time. N. O. Martin (A.S.C.) was released from confinement, his term having expired. Sent ashore ashore in lighter.

P. C. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light S.W'ly airs. Constructed 5th division in compass and lead. The Comdg Officer returned the call of the U.S. Consul. Sent an officer to make boarding visit on Japanese Torpedo Boat "Akibono", which visit was returned. Comdg Officer of the "Akibono" called officially on the Captain. The Italian Battleship "Sicilia" flying Rear Admiral's flag came in from Gaeta and saluted with 21 guns. Saluted the Rear Admiral on "Sicilia" with 13 guns, Italian flag at fore. This was returned with 13 by the "Sicilia", U.S. flag at truck, and her band played U.S. national air as she passed to moor near the "Re Umberto". Sent an officer to board the "Sicilia".

Ralph Earle.
Ensign, U.S.N.

4 to 8 P.M.

Clear and fine. Calm and light airs from S.W. & S. Exercised with light yards from 4:00 until 5:00, leaving topgallant yards aloft. Received in Pay Dept for issue 198½ lbs fresh meat. R. O. Abernathy (A.B.) and J. A. Sheehan (C.C.M.) returned from leave.

P. C. Baldwin Ensign, U.S.N.

8 P.M. to Midnight

Clear and cool. Hazy near horizon. Light S.W. & W'ly airs and calm. Moon rose at 8:45.

Ralph Earle
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lecker.
Lieut. Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1					Calm.	0			30 44	62	58	58		bcum.	None		0	
2					"	0			30 43	62	58	68		"	"		0	
3					S. S. E.	1			30 42	61	57	67		"	"		6	
4					"	1			30 41	61	57	57		bcum	ci-cu		5	
5					"	1			30 41	65	60	59		bcm.	"		5	
6					"	1			30 41	66	60	59		"	"		2	
7					N. N. E.	1			30 41	69	60	59		"	ci-o		3	
8					"	1			30 41	68	63	60		"	"		2	
9					"	1			30 42	72	67	64		"	ci.		1	
10					"	1			30 43	73	68	65		"	cu-cu		2	
11					"	1			30 44	79	74	68		"	"		2	
Noon.					"	1			30 44	81	77	71		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft

Position at noon: { Latitude by observation ° ' " 75— 78-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 77 " 1290 "

P. M.																		
1					S. S. W.	1			30 42	80	72	70		bc	cu.	sw.	2	
2					S. W.	1			30 41	80	71	69		"	"	"	0	
3					"	1			30 39	80	71	68		"	"	"	6	
4					W. S. W.	1			30 39	80	70	68		"	"	"	8	
5					"	1			30 39	78	68	66		bcw	"	"	8	
6					North	1			30 38	76	67	65		"	"	"	7	
7					"	1			30 37	72	65	65		bcnw	"	"	2	
8					"	1			30 36	72	64	64		bnw	None	—	0	
9					Calm.	0			30 34	69	64	64		bcnw	ash	—	5	
10					"	0			30 34	68	64	64		"	"	—	9	
11					"	0			30 33	68	64	63		oc	"	—	10	
Mid.					"	0			30 32	68	64	63		bc	"	3,6	9	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, October 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear first three hours, cloudy last hour. Calm first two hours, light airs from E.N.E. last two.

C.M. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear and fine. Light airs from E.N.E. and N.N.E. Barometer steady. Received in Pay Office for issue 198½ lbs. vegetables, 159 lbs. fresh bread.

H.H. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light N.N.E'ly airs. At 9:30 mustered at quarters, no absentees. Held routine divisional drills. At 10:20 exercised at arm and away boats for distant service, ready as follows: 1st Cutter 6 min.; 2d, 9½ min.; 3rd, 6½ min.; 4th, 7½ min.; whaleboat 7 minutes. Exercised boats in obedience to signals from the ship. The Comdg Officer called officially on the Admiral on board the "Sicilia" and returned the call of the Commander of the Japanese torpedo boat "Akebono". Loaded 40 saluting charges. Water lighter came alongside at 11:50, and commenced to fill boilers.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair & cloudy. Pleasant. Lighters from S.S.W. to W.S.W. Exercised at Div. at heaving the lead & at compass instruction, also the Boys found deficient at seamanship & gunnery instruction. The Comdr renewed the following acting appointments: L.M. Kelly (Sm. 1 c) from Oct. 24, 1899; J. Meagher (Sm. 1 c) from Oct 23, 1899; J.E. Stenman (Oiler) from Oct. 21, 1899. The Comdg Officer of the Italian Cruiser "Marco Polo" returned the Comdrs call. The Executive Officer of the "Sicilia" called on behalf of his Comdg Officer returning the Comdrs call. Vice Admiral Magnaghi, Comdr in Chief of the Active Squadron of the Italian Navy, accompanied by his Flag Lieut. returned the Comdrs call. Upon leaving, the Vice Admiral requested that no salute be fired; accordingly none was fired. Finished taking water into the boilers, and the water lighter left. Lighted fires under boiler C for distilling purposes at 2:30.

C.M. Fahs
Lieut, U.S.N.

4 to 8 P.M.

Cloudy and pleasant. Light W.S.W'ly and North'ly airs. Exercised at sending down and crossing light yards from 4 to 4:50, leaving t'gallant yards crossed at end of drill. Started distilling at 6:25.

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Calm. Distilling.

C.M. Fahs
Lieut, U.S.N.

Examined and found to be correct.

E.F. Leper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1					Calm.	0			30 32	68	64	62		brw	cu.	SW.	7	
2					"	0			3032	68	64	62		"	"	"	7	
3					"	0			3030	66	63	63		brw	"	"	8	
4					"	0			30 27	66	63	63		"	"	"	8	
5					"	0			30 25	67	61	60		brn.	"	"	7	
6					N.E.	1			3025	65	61	60		"	a-s	—	6	
7					"	1			30 25	68	61	60		"	a-cu.	—	6	
8					"	1			3026	69	67	68		"	"	—	5	
9					"	1			3026	69	68	62		"	"	—	5	
10					East.	1			3028	72	69	64		"	"	—	6	
11					"	1			3028	74	73	70		"	"	—	6	
Noon.					"	1			3030	80	76	73		"	"	—	6	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.

Longitude by ° ′ ″ For. Aft.

Position at noon: Latitude by observation ° ′ ″ 75— 70-67

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 1280 lbs.

Coal remaining on hand at noon, 76 " 13 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1					SW.	1			30 27	80	72	68		brc	a-cu	—	5	
2					"	2			30 26	78	70	68		"	"	—	6	
3					West.	3			30 25	76	70	67		"	a-cu	—	5	
4					"	3			30 25	76	70	67		"	a-s	W.	5	
5					"	2			30 25	76	68	67		"	cu.	"	6	
6					Calm.	0			30 24	73	67	66		"	"	—	4	
7					"	0			30 25	72	66	65		brn.	cu-s	—	3	
8					"	0			30 25	71	64	63		"	"	—	3	
9					"	0			30 26	70	62	62		brw	ci	—	1	
10					"	0			30 26	69	62	62		"	"	—	1	
11					"	0			3026	68	62	62		brw	mre	—	0	
Mid.					"	0			30 26	67	61	61		"	"	—	0	

4—45

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, October 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and calm. Barometer falling. Large passenger steamer came in at 3:30. Distilling.

W. H. Allen
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Calms to light N.E. by airs. Received in Pay Dept 169 lbs. fresh bread, and 198½ lbs. each of fresh meat and vegetables.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Light airs from N.E. to East. Sent a liberty party of apprentices on shore at 8:45. At 9:30 inspected at quarters. Exercised at "Company Drill" and then at "Battalion Drill". Exercised at sail drill from 11:00 to 11:45. The Commander awarded the following punishments:- A. B. Cooper (M. At.) and J. Collins (M. At.), Impudence to Ward Room Steward, 3 days solitary confinement on bread and water, and they were confined accordingly; A. F. Martini (App. S.C.), Continual disrespect to M. at A., to be confined in double irons for 5 days, and he was confined accordingly; A. M. Massie (App. S.C.), Inattention at drill, 4 hrs. extra duty; A. T. Innes (App. S.C.), Refusing to clear gun deck, 4 hrs. extra duty; P. A. Kaminsky (App. S.C.), Disorderly in ranks after being repeatedly warned, 8 hrs. extra duty; E. W. Kopp (App. S.C.), Stupid at drill, 8 hrs. extra duty. Distilling.

C. M. Fahs
Lieut, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light airs to gentle breeze from S.W. and West. Barometer falling slowly. North German Lloyd Steamer "Bremen" came in at 3:30. Chaplain Gill and Lieut. Leiper, U.S.N., left the ship at 1:00 to make official calls returned at 2:30.

W. H. Allen
Ensign, U.S.N.

4 to 8 P.M.

Fair and cool. Light breeze from West first hour - calm remainder. Japanese torpedo destroyer "Akibono" put to sea. An Italian gunboat put to sea. Received in Pay Dept for crew 198¾ lbs. of fresh beef for tomorrow's issue. Distilling.

C. M. Fahs
Lieut, U.S.N.

8 P.M. to Midnight.

Clear, calm, and damp. Barometer steady. North German Lloyd Steamer "Bremen" left port. Distilling. Moon rose at 10:15.

W. H. Allen
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1					E. N. E.	1			30 24	64	60	60		bcm.	none	—	0	
2					"	1			30 24	63	59	59		"	"	—	0	
3					N. E.	1			30 23	62	58	58		bcmm.	ci-s	W.	2	
4					"	1			30 23	63	59	58		"	ci.	"	1	
5					"	1			30 23	62	59	59		"	"	"	1	
6					"	1			30 23	62	59	59		bc.	"	—	1	
7					"	1			30 24	63	60	59		"	"	—	2	
8					"	1			30 25	66	62	61		"	"	—	2	
9					"	1			30 26	69	67	65		bcm.	a-s.	—	4	
10					East	1			30 28	70	69	66		"	ci	NW	4	
11					"	1			30 29	76	71	69		"	"	W	5	
Noon.					"	1			30 31	82	71	69		"	"	"	6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ Cor Apt.

Position at noon: { Latitude by observation ° ′ ″ 74 — 71-70
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 1120 lbs.

Coal remaining on hand at noon, 74 " 1133 "

P. M.																		
1					West	1			30 31	82	71	69		bcm.	a-cu	W.	5	
2					"	1			30 31	82	71	69		"	"	"	5	
3					"	1			30 30	80	69	68		"	"	"	5	
4					W. by S.	1-2			30 30	79	68	68		"	"	"	5	
5					West.	1			30 31	77	67	67		bcw	"	—	4	
6					"	1			30 30	77	67	67		"	"	—	4	
7					Calm.	0			30 28	76	67	67		"	a-cu	—	3	
8					"	0			30 28	74	66	66		bcmm.	"	—	3	
9					"	0			30 28	70	65	65		bmw	none	—	0	
10					N. E.	1			30 28	67	64	64		"	"	—	0	
11					"	1			30 27	66	64	64		"	"	—	0	
Mid.					Calm.	0			30 28	65	64	64		"	"	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, October 26th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant, with heavy dew. Bright moonlight. Light airs from S. W. E. and N. E. Barometer steady. About 1.15a German Steamer left the harbor.

W. J. Marion,
Ensign, USN.

4. to 8. A.M.

Fair and cool. Light airs from N. E. Received in Pay Dept. for the crew 169 lbs. of fresh bread, and 195 3/4 lbs. of fresh vegetables. Distilling.

C. M. Fahs
Lieut., USN.

8 A.M. to Meridian.

Fair and pleasant. Hazy. Light airs from N. E. and East. Barometer rising. At 9.30 mustered at quarters, no absentees. After muster exercised divisions as per routine. Lifted and examined all 4" guns and found them in good order. Sent liberty party of boys ashore at 8.15. Distilling. Two officers from the Italian ship "Marco Polo" called on the Ward Room Officers. By order of the Captain, released L. A. Gleek (App. S.C.) from confinement, his term having expired.

W. Franklin
Ensign, USN.

Meridian to 4 P.M.

Fair and misty. Light airs and breezes from West and W. by S. Barometer steady. Stopped distiller, tanks being full and let fires die out. Exercised 3rd Division in compass and lead and unsatisfactory boys in branches in which deficient. Finished overhauling battery.

W. J. Marion
Ensign, USN.

4. to 8. P.M.

Fair and pleasant. Hazy. Light West'ly airs and calms. Barometer falling. At 4.00 called all hands for spar drill and exercised at sending up and down topgallant and royal yards. Received in Pay Dept. 195 lbs. of fresh beef for tomorrow's issue.

W. Franklin
Ensign, USN.

8. P.M. to Midnight.

Fair and pleasant. Hazy and heavy dew. Calms and light airs from N. E. Barometer steady. Moon rose about 11.05.

W. J. Marion,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sixteenths.	State of the Sea.
A. M.																		
1					N. E.	1			30 28	63	61	61		bcw	a-cu	–	3	
2					"	1			30 28	63	61	61		"	"	–	3	
3					"	1			30 28	63	61	61		"	"	–	3	
4					"	1			30 26	63	61	61		"	"	–	8	
5					"	1			30 26	63	59	59		"	"	–	7	
6					"	1			30 26	69	59	59		"	"	N.E.	7	
7					North	1			30 28	66	61	60		bc.	"	–	7	
8					"	1			30 29	68	62	60		"	a-cu	–	5	
9					N. E.	1			30 31	70	67	66		bcm.	a-cu	–	6	
10					"	1			30 31	70	67	66		"	"	–	7	
11					"	1			30 31	72	69	67		"	"	–	8	
Noon.					"	1			30 31	74	70	68		"	"	–	8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 76 70-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~500~~ gallons.

Water distilled during the preceding 24 hours, ~~1000~~ "

Water remaining on hand fit for use at noon, ~~2500~~ "

Coal consumed during the preceding 24 hours, tons, 960 lbs.

Coal remaining on hand at noon, 74 " 173 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sixteenths.	State of the Sea.
P. M.																		
1					Calm.	0			30 32	78	70	68		bcm	cu-	–	9	
2					"	0			30 31	79	71	69		"	a-cu cu.	S.W	9	
3					West	1			30 32	79	70	68		"	"	"	7	
4					"	1			30 31	76	69	67		"	"	"	8	
5					"	1			30 32	74	68	67		"	"	"	7	
6					"	1			30 32	74	67	67		"	"	"	8	
7					Calm.	0			30 33	74	66	66		"	"	"	7	
8					N. E.	1			30 33	73	65	65		"	"	"	7	
9					Calm.	0			30 32	68	64	64		"	S.	–	3	
10					"	0			30 32	66	63	63		bcm.	mc	–	0	
11					"	0			30 32	64	62	62		"	"	–	0	
Mid.					N. E.	1			30 32	63	60	60		"	"	–	0	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, October 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Cool. Moonlight. Barometer steady. Light airs from N.E.

F. L. Baldwin Ensign, USN.

4 to 8 A.M.

Cloudy and pleasant. Hazy. Damp. Light airs from N.E. and North. Barometer rising. Received in Pay Dept. the following fresh provisions for issue to the crew: 159 lbs. of beef, and 198½ lbs. of vegetables. Two small government tugs left the Arsenal. Prince Line Steamer "Tartar Prince" came into port.

W. J. Marion
Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant, hazy. Light airs from N.E. Barometer steady. At 9.30 sounded the call to "General Quarters"; the divisions reported ready as follows: Powder, ½ minutes; 5th, 1¾; Navigators, 2; 1st, 2; 3rd, 2½; 2nd 2½; and 4th, 3 minutes. Secured at 9.47, time 2 minutes. Cleaned and disinfected bilges. By order of the Commanding Officer J. J. Thornton (A.S.C.) was confined in single irons on the berth deck to await investigation for being drunk on board ship. The Commanding Officer awarded the following punishments: E. E. Geer (A.S.C.), noisy and disorderly, 2 hours extra duty; C. D. Amphlett (A.S.C.), failing to report boat time while on orderly watch, 2 weeks extra duty; J. C. Odonnell (A.S.C.), disorderly conduct in gangway during drill, 2 hours extra duty; W. J. Bartelme (A.S.C.) shirking during spar drill, 4 hours extra duty.

W. J. Marion
Ensign, USN.

Meridian to 4 P.M.

Cloudy and pleasant. Calm and light airs from West. Exercised 4th Division at compass, lead and seamanship. Made weekly test of magazine flood and drain cocks and found them in good condition.

F. L. Baldwin Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Light airs from West and calm. Barometer steady. Exercised at sending up and down topgallant and royal yards. Received in the Department of Supplies and Accounts 198½ lbs fresh meat for October 28th. Received in the Department of Medicine and Surgery 40 kilogrammes of Sulphate of Iron, and 6 litres crude carbolic acid.

W. J. Marion
Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Cool. Calm and light airs from N.E. last hour. Barometer steady.

F. L. Baldwin Ensign, USN.

Examined and found to be correct.

I. F. Luper.
Lieut. Navigator.

4—222

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-8.	State of the Sea.
A. M.																		
1					Calm.	0			30 32	66	60	60		bmw	none	—	0	
2					"	0			30 33	66	60	60		"	"	—	0	
3					North	1			30 33	65	60	60		"	"	—	0	
4					"	1			30 33	64	59	59		bsmw	a-cu	n.	8	
5					"	1			30 32	66	59	59		bm.	none	—	0	
6					N. E.	1			30 32	67	59	59		bsm.	ci-s.	—	2	
7					"	1			30 34	61	59	59		"	"	—	3	
8					"	1			30 35	64	59	59		"	"	—	4	
9					"	1			30 38	64	62	62		"	"	—	5	
10					"	1			30 40	82	70	68		"	a-cu	—	5	
11					"	1			30 42	82	70	68		"	"	—	5	
Noon.					Calm	0			30 43	82	72	70		"	"	—	5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. 82
Longitude by ° ′ ″ For 84

Position at noon: { Latitude by observation ° ′ ″ 44-73 78-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 73 " 1988 "

P. M.																		
1					W. S. W.	1			30 42	82	73	70		bsm	ci-cu		6	
2					"	1			30 41	83	73	70		"	"		6	
3					"	1			30 40	79	73	70		"	"		6	
4					"	2			30 39	74	70	68		"	a-cu		7	
5					"	1			30 39	76	69	67		"	"		8	
6					Calm.	0			30 39	76	68	67		"	"		5	
7					"	0			30 39	76	67	66		"	"		2	
8					"	0			30 39	72	66	65		"	"		2	
9					East.	1			30 40	74	64	64		bsw	none		0	
10					"	1			30 40	72	62	62		"	"		0	
11					"	2			30 40	72	61	62		"	"		0	
Mid.					"	2			30 40	70	61	62		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, October 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calms to light North'ly airs. Moon rose at 12.45

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Fair and pleasant. Misty. Light airs from North and N. E. Barometer rising slowly. Received in the Department of Supplies, and Accounts following fresh provisions:- 159 lbs. bread, 198 ½ lbs. vegetables. Italian torpedo boat No 89 went out at 6.10, and returned at 7.05. Aired bedding.

W. H. Watson,
Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant. Light airs from N. E. and calm. Barometer rising. General field day. No quarters on account of work going on. No absentees. J. Collins (M. Abs) and A. B. Cooper (M. Att.) were released from confinement their terms having expired, and J. J. Thornton (A.S.C.) was placed in solitary confinement for 7 days on full rations, by order of the Captain for being drunk on board ship. The Executive Officer of the Italian cruiser "Marco Polo" called officially on the Captain and officers. Two Italian torpedo boats left the harbor.

H. R. Baldwin, Ensign, USN

Meridian to 4 P.M.

Cloudy and pleasant. Light W.S.W'ly airs and breezes. A party of boys visited the "Re Umberto". Gave B. W. Whitehead, Sea., a gun captain's certificate, he having qualified as gun captain R.C.

Ralph Earle,
Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Light airs from W.S.W. and calm. Barometer steady. Received in Pay Dept for issue 198 ½ lbs. fresh meat.

H. R. Baldwin, Ensign, USN.

8 P.M. to Midnight.

Clear and cool. Light East'ly airs and breezes.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Lupin.
Lieut. Navigator.

4—925

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, allowed.	State of the Sea.
A. M.																		
1					Calm.	0			30 38	66	60	60		bam.	ci-cu	N.W.	3	
2					N. E.	1			30 38	62	60	60		"	"	"	3	
3					"	1			30 38	64	60	60		"	"	"	3	
4					"	1			30 38	64	60	60		"	"	"	5	
5					N. N. E.	1			30 38	66	60	59		bcw.	"	"	7	
6					"	1			30 38	65	60	59		"	"	—	7	
7					Calm.	0			30 39	65	61	60		bm.	mc	—	0	
8					N. E.	1			30 42	70	61	60		"	"	—	0	
9					"	1			30 42	72	68	65		"	"	—	0	
10					East.	1			30 44	75	71	69		bcm	cu	—	1	
11					Calm.	0			30 45	81	74	71		"	"	—	1	
Noon.					"	0			30 46	84	73	71		"	"	—	1	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Ampl. Asc.
Longitude by ° ′ ″ Sun 76— 77-70

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1450 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 73 " 1458 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, allowed.	State of the Sea.
P. M.																		
1					S. W.	1			30 46	84	72	71		bam.	cu	W.	3	
2					"	1			30 44	84	72	70		"	"	"	4	
3					"	1			30 44	80	70	70		"	"	"	4	
4					"	1			30 43	79	69	69		"	"	"	5	
5					Calm.	0			30 42	78	68	68		bmw	none	..	0	
6					"	0			30 42	77	67	67		"	"	—	0	
7					"	0			30 42	72	66	66		"	"	—	0	
8					East.	1			30 42	71	66	66		"	"	—	0	
9					"	1			30 42	70	65	65		"	"	—	0	
10					"	1			30 42	67	64	64		"	"	—	0	
11					"	1			30 42	67	64	64		"	"	—	0	
Mid.					"	1			30 42	66	63	63		"	"	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, October 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Calm first hour, light N.E. airs remainder.

C. M. Fahs
Lieut., U.S.N.

Moon rose at 1:35.

4 to 8. A.M.

Clear and pleasant. Calm and light airs from N.E. At 6:00 an Italian steamer came in with American flag at the fore. Received in Pay Dept for issue 167 lbs. bread, 195¾ lbs. vegetables.

P. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Clear and warm. Calms and light variable airs. At 9:30 mustered at quarters, no absentees. The Captain inspected crew and ship. The Chaplain held divine service. By order of the Commanding Officer placed O.F. Hellings, Appc, in solitary confinement on bread and water for 3 days, for inattention in boat and disobedience of orders; and assigned the following punishments:- A. Kelly, Cox, habitually shirking work, reduced to 2nd Class; W. Schreiber, R. Perino, and P.S. Franks, As S.C., slow and inattentive at drill, 3 hours extra duty; R. Robinson and A. Walker, As S.C., ten minutes late in manning boat, after being warned one hour in advance guarantined in Naples; J. de Pettit, Appc, deliberate disobedience of orders, same. The Italian transport "Europa" came in.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy and pleasant. Light S.W. airs. Sent liberty party ashore. Received in the Pay Dept for the crew 195¾ lbs. fresh meat.

C. M. Fahs
Lieut., U.S.N.

4 to 8. P.M.

Clear and pleasant. Calms and light East'ly airs.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light airs from East.

C. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

S. F. Leiper
Lieut. Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Cirrus	CLOUDS. Amount, assisted	State of the Sea.
A. M.																		
1					Calm.	0			30 40	65	61	61		bw.	none		0	
2					S. W. by S.	1			30 40	66	61	61		bow.	c.cu		2	
3					"	1			30 39	67	61	61		"	"		2	
4					"	1			30 39	68	60	60		"	St. cu		3	
5					"	1			30 39	68	60	60		"	"		4	
6					N. by E.	1			30 38	68	60	60		bcm.	"		5	
7					"	1			30 38	67	59	59		"	"		5	
8					"	1			30 39	71	60	59		"	"		5	
9					East	1			30 39	75	69	66		"	c-s		3	
10					Calm.	0			30 41	76	70	67		"	a-cu		8	
11					"	0			30 41	77	70	68		"	"		7	
Noon.					"	0			30 41	77	70	68		"	"		8	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Comp. For. Aft.

Longitude by ° ′ ″ 75— 71-70

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1440 lbs.

Coal remaining on hand at noon, 73 " 18 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Cirrus	CLOUDS. Amount, assisted	State of the Sea.
P. M.																		
1					W. S. W.	1			30 39	76	70	67		bc.	a-cu	NW	7	
2					"	2			30 38	76	70	67		"	a-s.	—	6	
3					West	1			30 37	75	69	67		"	"	—	6	
4					"	1			30 36	76	71	68		"	"	—	4	
5					Calm.	0			30 36	75	67	65		bcum.	"	—	4	
6					"	0			30 36	72	66	65		"	"	—	4	
7					"	0			30 36	71	65	65		"	"	—	2	
8					"	0			30 36	71	65	65		"	"	—	1	
9					"	0			30 34	67	63	63		bcum.	none	—	0	
10					"	0			30 34	67	63	63		"	"	—	0	
11					"	0			30 34	67	63	63		"	"	—	0	
Mid.					"	0			30 34	66	63	63		"	"	—	0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, October 23th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Calms and light E.N.E. airs. Barometer steady. Moon rose at 2:30.

Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Light E. N. E. to N. by E. & E. airs. Crossed royal yards. B.F. Snyder, a.s.c., returned from liberty 18 hours overtime. Received in Pay Dept. 169 lbs. of fresh bread and 198½ lbs. of fresh vegetables.

Ralph Earle
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Light airs from East first hour, calm remainder. By order of the Commander released A. E. Martin (App. s.c.) from confinement. At 9:20 started fires in Boiler C for distilling. At 9:10 called "All hands Clear Ship for Action" & ready in 22 minutes. Then went to General Quarters & all divisions ready in 3 minutes. Secured from General Quarters in 3½ minutes and then secured from "Clear Ship for Action". By order of the Commander B. F. Snyder (A.S.C.) was reduced to the 4th Class for being 18 hours over liberty.

C.M. Fahs Lieut., U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Light airs and breezes from W.S.W. and West. Barometer falling slowly. Instructed Second Division in lead, compass, seamanship, and gunnery. Italian torpedo boat #132 left the harbor at 12:10 and returned at 2:50. Received in Pay Department 198½ lbs. of fresh beef for tomorrow's issue. Commenced distilling at 1:30.

Ensign, U.S.N.

4 to 8 P.M.

Cloudy to fair. Very hazy. Damp. Calm. Distilling.

C.M. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Clear, hazy and damp. Calm. Barometer steady. Distilling.

Ensign, U.S.N.

Examined and found to be correct.

F. F. Leeper.
Lieut. & Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount. Scale of 10.	State of the Sea.
A. M.																		
1					Calm.	0			30 34	64	60	60		hmw	me		0	
2					"	0			30 34	63	60	60		"	"		0	
3					"	0			30 33	63	60	60		hmw	a.s.		2	
4					N. E.	1			30 33	64	61	61		"	"		3	
5					"	1			30 30	66	60	59		"	"		2	
6					"	1			30 29	65	59	55		"	"		2	
7					N. N. E.	1			30 28	65	69	67		"	"		2	
8					"	1			30 28	66	60	59		"	"		3	
9					"	1			30 30	70	65	63		"	cu		2	
10					"	1			30 30	75	70	68		hmw	"		2	
11					"	1			30 32	81	72	69		"	"		2	
Noon.					South.	1			30 33	82	75	71		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ Gor. Aft.

Position at noon: { Latitude by observation ° ′ ″ 74 — 70-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2050 "

Coal consumed during the preceding 24 hours, / tons, 1120 lbs.

Coal remaining on hand at noon, 71 " 1133 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount. Scale of 10.	State of the Sea.
P. M.																		
1					W S W.	1			30 32	81	71	67		bc	acu		2	
2					"	1			30 31	81	70	67		"	"		2	
3					"	1			30 29	80	70	67		hmw	cu		2	
4					"	1			30 27	79	70	67		"	"		1	
5					"	1			30 27	78	70	68		hmw	hme		0	
6					Calm.	0			30 27	76	68	67		"	"		0	
7					"	0			30 27	70	66	65		"	"		0	
8					"	0			30 27	71	64	64		hmw	"		0	
9					"	0			30 27	69	62	62		hw	"		0	
10					"	0			30 27	67	62	62		"	"		0	
11					East.	1			30 27	67	62	62		"	"		0	
Mid.					"	1			30 26	67	62	62		"	"		0	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, October 31st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calms and light airs from N.E. Barometer steady. Distilling.

W. J. Magnon,
Ensign, U.S.N.

4 to 8. A.M.

Fair and pleasant. Heavy dew. Light airs from N.E. to N.N.E. Received in Pay Dept. for crew 159 lbs. fresh bread, and 198½ lbs. of fresh vegetables. Distilling.

C. McFate
Lieut., U.S.N.

8. A.M. to Meridian.

Clear, but very hazy. Light variable airs. Barometer rising. At 9:30 mustered at quarters, no absentees. After muster exercised Sirsons as per routine. At 10:30 called away boats, armed and equipped for distant service. All boats reported ready in 11 minutes. The boats were then exercised under oars by signal from the ship. At 11:25 the Italian torpedo boat #132 left the Arsenal. The Captain assigned the following punishments:- O. Robinson (App. 2c.), Late at mess formation, 4 hrs. extra duty. F. G. Mehling (App. 2c.), Late in manning boat, 2 weeks extra duty. J. P. Geary (App. 2c.), Disorderly at mess formation, 8 hours extra duty. C. D. Amphlett (App. 2c.), Rolling himself in his blanket and going to sleep on orderly watch, 3 days solitary confinement on bread and water. Distilling. An Italian transport came into the harbor.

W. Lewis
Ensign, U.S.N.

Meridian to 4 P.M.

Generally clear and pleasant, misty latter part. Light airs from W.S.W. Barometer falling slowly. Distilling. Sent down light yards and topgallant masts, shifted topgallant masts and yard arms of light yds and then sent aloft masts and crossed light yards.

W. J. Magnon,
Ensign, U.S.N.

4 to 8. P.M.

Clear, damp and hazy. Calm. Barometer steady. Received in Pay Dept. 198½ lbs. of fresh meat for tomorrow's issue. Distilling.

W. Lewis
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and pleasant, with heavy dew. Calms and light airs from East. Barometer steady. Distilling.

W. J. Magnon,
Ensign, U.S.N.

APPROVED.

Frank Courtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1					N. E.	1			30 25	64	62	62		bum	hme		0	
2					"	1			30 24	64	61	61		"	"		0	
3					"	1			30 24	64	61	61		bw	"		0	
4					"	1			30 24	66	60	60		"	"		0	
5					"	1			30 25	64	59	58		"	"		0	
6					"	1			30 25	62	59	58		"	"		0	
7					"	1			30 25	64	59	58		bcm.	cu.		1	
8					"	1			30 25	68	60	59		"	"		1	
9					North	1			30 29	73	66	64		"	a-cu		4	
10					"	1			30 31	76	71	68		"	ci-cu		3	
11					"	1			30 31	75	72	69		"	"		1	
Noon.					Calm	0			30 32	81	74	70		"	"		2	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Dew

Longitude by ° ′ ″ 73— 78-68

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1120 lbs.

Coal remaining on hand at noon, 70 " 13 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1					S. E.	1			30 33	81	74	70		bcm.	a-cu		3	
2					"	1			30 32	82	75	71		"	"		3	
3					"	1			30 33	83	75	71		"	"		2	
4					"	1			30 33	83	75	71		"	a-cu		3	
5					"	1			30 33	80	71	71		"	"		3	
6					Calm	0			30 33	76	65	68		bcmw	"		3	
7					N. E.	1			30 33	72	68	67		"	"		1	
8					"	1			30 33	71	67	67		"	"		1	
9					"	2			30 34	69	64	64		"	"		1	
10					"	2			30 34	68	64	64		bw	hme		0	
11					N. N. E.	2			30 35	67	63	64		"	"		0	
Mid.					"	2			30 35	67	63	63		"	"		0	

4—24

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, November 2st , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.
Clear and pleasant. Light airs from N.E. Stopped distilling at 3:45. At 12:05 J. C. O'Donnell (App.s.c.) was found to be drunk aboard ship.

F. E. Baldwin Ensign, USN.

4 to 8 AM
Clear and hazy. Slank. Light N.E. airs. Barometer steady. Moon rose at 4.45. Received in Pay department following fresh provisions for issue to crew:- 198¾ lbs of vegetables, and 159 lbs bread. Let fires die out under boiler "C."

W. J. Marion
Ensign, USN.

8 AM. to Meridian.
Clear and pleasant, hazy. Light airs from North and calm. Barometer rising slowly. At 9:30 mustered at quarters after which the Divisions drilled as per routine. Absentees: H. J. Meeks (Fds.) and L. P. Wilhelm (Fds.) Inspected bedding of Apprentices. Punishments awarded by the Commanding Officer: W. W. Cotten (A.S.C.) and R. J. White (A.S.C.), skylarking while on the seam, 4 hours extra duty each; P. J. Clowry (A.S.C.) and W. E. Hintz (App.S.C.), slow in manning boat, 8 hours extra duty; C. D. Mullen (A.S.C.), J. A. Buncl (A.S.C.), and J. Whelan (A.S.C.), creating disturbance about decks in mid watch, 16 hours extra duty each; W. F. King (A.S.C.), having obscene pictures in his possession, 8 hours extra duty; and J. C. O'Donnell (A.S.C.) drunk on board ship, confined in double irons to await action. By order of the Commanding Officer, released from confinement and restored to duty H. F. Wellings (A.S.C.) his term of confinement having expired.

W. J. Marion
Ensign, USN.

Meridian to 4 PM.
Clear and fine. Light airs from S.E. Barometer steady. Sent liberty party of boys ashore on liberty at 1:00. Exercised 4th Division at Ordnance Instruction at 3:30. The North German Lloyd Steamer Prinz Heinrich came in and moored to the breakwater. Received in Pay Dept for issue 198¾ lbs. fresh meat. H. J. Meeks (Fds.) and L. P. Wilhelm (Fds.) returned from liberty 9 hours overtime.

F. E. Baldwin Ensign, USN.

4 to 8 PM.
Clear and pleasant heavy dew latter part. Light airs from S.E., calms, and light airs from N.E. Barometer steady. Liberty party of apprentices returned on board about 6.30.

W. J. Marion
Ensign, USN.

8 PM to Midnight.
Clear and fine. Light breezes from N.E. and N.N.E. At 10:45 the Prinz Heinrich left the harbor.

F. E. Baldwin Ensign, USN.

Examined and found to be correct.

F. F. Lisher
Fleet Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing. Forms.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1					Calm.	0			30 33	68	64	64		b	bne		0	
2					North	1			30 34	70	65	64		"	"		0	
3					N. E.	1			30 34	70	65	64		"	"		0	
4					"	1			30 35	64	60	60		"	"		0	
5					"	1			30 35	64	59	58		bc	ci		1	
6					"	1			30 35	64	59	58		"	"		1	
7					"	1			30 35	60	59	58		"	"		1	
8					"	1			30 36	63	60	59		"	"		1	
9					"	1			30 40	72	61	59		"	"		2	
10					E. N. E.	1			30 41	73	71	67		bcm	"		1	
11					"	1			30 43	77	74	71		"	"		1	
Noon.					"	1			30 43	84	77	73		"	"		1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Comp.
Longitude by ° ′ ″ Gor. Apt.

Position at noon: { Latitude by observation ° ′ ″ 74 — 71-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 69 " 1779 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing. Forms.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1					E. N. E.	1			30 43	82	74	68		bcm	ci		1	
2					Wby S.	1			30 42	82	74	69		"	"		2	
3					"	1			30 42	78	72	69		"	"		2	
4					"	1			30 42	78	72	69		"	"		2	
5					"	1			30 42	75	70	66		"	"		2	
6					"	1			30 42	75	70	66		"	"		2	
7					East	1			30 42	73	68	64		bmw	bne		0	
8					N. E.	1			30 42	70	67	64			"		0	
9					"	1			30 43	68	66	64		"	"		0	
10					"	1			30 43	67	66	64		"	"		0	
11					"	1			30 43	67	64	63		"	"		0	
Mid.					"	1			30 43	69	67	59		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, November 2nd , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM

Clear and cool. Calms and light North by E to N E by E airs.

Ralph Earle,
Ensign, USN.

4 to 8 AM.

Clear and pleasant. Light airs from N E. Barometer steady. Received in the Department of Supplies and Accounts the following fresh provisions:- 107½ lbs vegetables, and 169 lbs bread. R. Restad (Am. S.C.) at 7.00 left the ship having been granted 48 hours leave.

W J Marion,
Ensign, USN.

8 AM to Meridian

Clear and fine. Warm. Light airs from N E and E.N.E. Barometer rising. Mustered at quarters at 9:30. No absentees. Exercised at company and battalion drills. The Captain awarded punishments as follows: A. Kelly (Ord) Acting appointment revoked for general incompetency and shirking. G. P Schurz and J. Kelly (Asc) 8 hours single irons for fighting. H. J. Mocks (Std) and L.P. Wilhelm (Std) 2nd Class for being 9 hours over liberty. J. C. McDonnell (Asc) confined in single irons to await action for being drunk on board ship and incident to the Officer of the Deck.

H. H. Bledsoe Ensign, USN.

Meridian to 4 PM

Clear and pleasant. Light E.N.E. to W by S. airs. Exercised the 5th Division at the lead and compass. Received in Pay Dept. 98½ lbs fresh meat

Ralph Earle,
Ensign, USN

4 to 8 PM.

Clear and pleasant. Light airs from W by S, East, and E.N.E. Barometer steady.

H. H. Bledsoe Ensign, USN.

8 PM to Midnight

Clear and cool. Light N. E by E airs.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

E. P. T. Leiper.
Lieut Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, ootenths	State of the Sea.
A. M.																		
1					Calm.	0			30 42	62	59	59		bmw.	mne		0	
2					"	0			30 42	62	57	57		"	"		0	
3					N. N. E.	1			30 42	62	56	56		"	"		0	
4					"	1			30 42	62	56	56		"	"		0	
5					N by E	1			30 41	62	55	55		"	"		0	
6					"	1			30 41	63	55	55		"	"		0	
7					"	1			30 41	65	56	56		bsw.	ci.		2	
8					"	1			30 41	65	59	58		"	"		2	
9					"	1			30 44	73	66	68		"	"		2	
10					N. N. E.	1			30 48	78	70	67		"	"		2	
11					"	1			30 48	83	72	70		"	a-cu		3	
Noon.					South.	1			30 48	84	73	70		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Air.
74— 78-69

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 144 " 1210 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, ootenths	State of the Sea.
P. M.																		
1					S. W.	1			30 47	83	74	70		bsw.	ci.		1	
2					"	1			30 45	81	74	71		"	"		1	
3					"	1			30 44	80	69	66		"	cu.		2	
4					"	1			30 43	80	69	66		"	"		2	
5					"	1			30 43	76	66	65		"	"		2	
6					"	1			30 43	74	66	65		bmw.	mne		0	
7					E by S	1			30 41	69	65	64		"	"		0	
8					"	1			30 41	69	63	63		"	"		0	
9					"	1			30 42	67	60	60		bw	"		0	
10					Calm.	0			30 42	64	60	60		"	"		0	
11					"	0			30 41	64	60	60		"	"		0	
Mid.					"	0			30 40	67	60	60		bmw.	"		0	

under the command of Commander Frank Curtis, U. S. Navy,

Friday, November 3rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.
Clear and pleasant. Calm first half, slight N.W. airs remainder.
C.M. Fahs
Lieut., USN.

4. to 8. AM.
Clear and pleasant. Light airs from N. by E. Barometer steady. At 6:30 two coal lighters came alongside and at 6:45 commenced coaling both sides. Contractors laborers putting coal on board. Received in Pay Dept. for issue 169 lbs. Bread, 198½ lbs. vegetables.
J.R. Baldwin Ensign, USN.

8 AM. to Meridian.
Fair and warm. Light variable airs. By order of the Commanding Officer placed J.C. O'Donnell, a sc., in solitary confinement on Bread and water for 5 days, for being drunk on board Ship; and released C.D. Ampblett, a sc, from confinement his term having expired. Made weekly test of magazine flood cocks and found them in good order. E.W. Whitehead, Sea. was given an acting appointment as coxswain from Nov 3d. Coaling ship from lighters, finishing at 11:30. Took on board 774 tons, 2137 lbs. of Nixon Navigation Co. coal.
Ralph Earle,
Ensign, USN.

Meridian to 4. PM.
Clear and pleasant. Light S.W. airs. Engaged in cleaning ship. Cleaned bilges.
C.M. Fahs
Lieut., USN.

4. to 8. PM.
Clear and pleasant. Light S.W. by S and S.S.E. by E airs. Received in Pay Dept. 198½ lbs. fresh meat.
Ralph Earle,
Ensign, USN.

8. PM. to Midnight.
Fair and pleasant. Light airs from S.S.E. first hour, calm remainder.
C.M. Fahs
Lieut., USN.

Examined and found to be correct.

F. F. Leiper
Lieut. Navigator.

4—903

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1					N. E.	1			30 38	62	58	58		bmw	bne		0	
2					"	1-2			30 36	61	58	58		"	"		0	
3					"	1-2			30 36	61	58	58		"	"		0	
4					"	1			30 35	61	58	58		"	"		0	
5					"	1			30 33	61	58	58		"	"		0	
6					"	1			30 34	60	55	55		"	"		0	
7					"	1			30 36	64	58	56		"	"		0	
8					"	1			30 36	65	59	59		"	"		0	
9					N. N. E.	1			30 39	68	63	62		bm	"		0	
10					N. E.	1			30 39	69	65	64		"	"		0	
11					East	1			30 39	72	67	65		"	"		0	
Noon.					S S. W.	1			30 38	78	70	67		bem	cu		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. 8 for Alt.
Longitude by ° ' " 75— 70-69.

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 1200 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 144 " 730 "

P. M.																		
1					S S. W.	1			30 40	82	70	67		bem	cu		2	
2					"	1			30 39	81	69	66		"	"		2	
3					West	1			30 38	79	68	65		"	"		3	
4					"	1			30 38	78	68	65		"	"		2	
5					Calm.	0			30 38	77	68	67		"	"		2	
6					"	0			30 38	74	67	67		bmw	cu		2	
7					"	0			30 36	69	64	64		"	"		2	
8					"	0			30 37	67	62	62		bw	bne		0	
9					"	0			30 36	68	62	62		"	"		0	
10					"	0			30 36	68	62	62		bmw	"		0	
11					"	0			30 36	68	60	60		"	"		0	
Mid.					"	0			30 36	65	59	59		"	"		0	

under the command of Commander Frank Coutts, U. S. Navy,

Saturday, November 4th., 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and damp. Cool. Light N.E. airs and heavy. Barometer falling slowly.

W. F. Fairfax
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Light N.E'ly airs. Received in Pay Dep't. 198¾ lbs of fresh vegetables and 189 lbs of fresh bread. The Italian transport "Europa" left the harbor. R. Rostad, 2 m.s., returned from leave.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light variable airs. By order of the Commander placed L. A. Frank (App. s.c.) in 5 days Solitary confinement on bread and water, for being noisy on gun deck, passing the word and being inattentive at drill. Released J. J. Thornton (App. s.c.) from confinement. General field day.

C. M. Fahs
Lieut., U.S.N.

Meridian to 4 P.M.

Clear and hazy. Pleasant. Light airs from S.S.W. and West. Barometer steady. Italian torpedo boats Nos. 119 and 120 came into port. Received on Pay Department 198½ lbs. of fresh meat for tomorrow's issue. Started fires under Boiler "C" for auxiliary purposes at 1:20.

W. F. Fairfax
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Calm. At 4:10 went to Fire Quarters. All divisions ready in 3m 35 sec. Secured at 4:15. At 5:30 commenced distilling.

C. M. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Clear and hazy. Calm. Barometer steady. Distilling.

W. F. Fairfax
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leeper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,
Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, observed.	State of the Sea.
A. M.																		
1					N. E.	2			30 35	62	57	57		bw	Strus		0	
2					"	2			30 34	62	57	57		"	"		0	
3					"	2			30 34	63	57	57		"	"		0	
4					"	2			30 32	63	56	56		bwm	"		0	
5					"	1			30 33	68	57	56		"	"		0	
6					N. N. E.	1			30 34	68	57	56		"	"		0	
7					"	1			30 34	66	57	56		bm	"		0	
8					"	1			30 34	65	59	58		"	"		0	
9					E. N. E.	1			30 36	67	61	59		bcm	ci		1	
10					"	1			30 37	69	64	61		"	"		1	
11					"	1			30 38	76	72	68		"	"		1	
Noon.					"	1			30 39	79	72	68		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For'd Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 75— 69-68
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 1600 lbs.

Coal remaining on hand at noon, 142 " 1970 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, observed.	State of the Sea.
P. M.																		
1					S. S. W.	1			30 37	80	70	68		bcm	Sr-cu		1	
2					S. W.	1			30 37	79	70	67		"	"		1	
3					"	2			30 35	79	70	67		bc	"		1	
4					"	2			30 34	79	70	68		b	Strus		0	
5					"	1			30 34	78	69	67		bw	"		0	
6					Calm.	0			30 34	76	66	66		"	"		0	
7					"	0			30 34	74	65	65		"	"		0	
8					"	0			30 34	72	64	64		"	"		0	
9					"	0			30 33	67	62	62		"	"		0	
10					"	0			30 33	66	61	61		bcm	"		0	
11					"	0			30 32	65	61	61		"	"		0	
Mid.					"	0			30 31	64	60	60		"	"		0	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, November 5th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, with heavy dew. Light breezes from N. E. Barometer falling slowly. Distilling.

W. J. Marion
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Light airs from N. E. to N. N. E. Received in Pay Dept. for the crew 159 lbs. of fresh bread, and 195¾ lbs of fresh vegetables. Distilling.

C. McFarland
Lieut, USN.

8 A.M. to Meridian.

Clear and warm. Light E. N. E. airs. Barometer rising. At 9:15 inspected crew at quarters. At 9:30 called all hands to muster. Read Articles for the Government of the Navy and held General Muster. No absentees. The Chaplain held divine service. The Captain assigned the following punishments. C. P. Cox (a.s.c.), Cursing in his hammock while on anchor watch, 28 hours extra duty. C. F. Reiff (a.s.c.), Direct disobedience of orders, 5 days solitary confinement on bread and water. M. B. Barlow, A. Nason, M. C. Danielson, J. F. Stedman, D. Rothenback, C. Hartman, A. B. Walsh, J. P. Geary, S. S. Kirk, A. J. Curran, C. L. Beede, A. E. Skinner, J. C. Linde, W. O. Geier, C. W. Smith, and D. Macfeat (a.s.c.), Out of uniform at mess formation, 4 hours extra duty. F. Ford, G. Weichelt, J. J. Boyen, R. Perino, C. L. Beede, A. L. O'Neil, L. C. Tancke, and A. Burnhagen, (a.s.c.) Slow in manning boat. Quarantined for the remainder of the month. A. J. Martini (a.s.c.) Filthy at quarters. 5 days double irons. At 10:30 North German Lloyd steamer "Sachsen" came into port and moored on our starboard side. Distilling.

W. J. Marion
Ensign, USN

Meridian to 4 P.M.

Clear and pleasant. Light airs from S. S. W. and S. W. increasing to light breezes from S. W. Barometer falling slowly. Rev. T. E. Loughnan (Roman Catholic), from Naples, held Divine Service on board from 2:00 until 2:30. Commenced securing boats for sea. Distilling.

W. J. Marion
Ensign, USN.

4 to 8 P.M.

Clear and hazy. Damp. Light S. W. airs and calms. Barometer steady. Finished securing boats except 4th Cutter. Italian torpedo boat #95 came into port. North German Lloyd steamer "Sachsen" left port at 4:15.

W. J. Marion
Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Heavy dew. Calms. Barometer falling slowly. Distilling.

W. J. Marion
Ensign, USN.

Examined and found to be correct.

E. F. Luper
Lieut Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Naples, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eighths.	State of the Sea.
A. M.																		
1					Calm.	0			30 32	62	59	59		Clear	Cirro		0	
2					N.N.E.	1			30 30	58	57	57		"	"		0	
3					N.E.	1			30 30	58	56	56		"	"		0	
4					N.N.E.	2			30 30	60	59	57		"	"		0	
5					"	1			30 30	62	59	58		"	"		0	
6					N. N. W.	2			30 29	63	59	58		Clear	"		0	
7					"	2			30 29	63	59	58		"	"		0	
8					"	2			30 29	65	60	57		"	"		0	
9			0.0		"	1			30 30	68	66	64		"	"		0	
10	2	4	2.4	Standing out	"	1			30 33	71	70	68		Clear	Cu		1	S
11	8	6	11.0	Various	"	1			30 33	72	70	69		"	"		2	"
Noon.	8	7	19.7	"	South	1			30 33	73	70	69		"	"		3	"

Position at 8 A. M. { Latitude by / Longitude by } ° ' " Mag. Comp. For. Apt.

Position at noon: { Latitude by observation — bearings: 40° 48' 50" N. 75 — 78-69 / Longitude by observation — bearings: 13° 55' 45" E. / Latitude by D. R. / Longitude by D. R. }

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 19.7 miles.

Distance by Log since preceding noon: 19.7 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by bearings: 41° 20' 00" N. / Longitude by bearings: 12° 40' 00" E. }

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1750 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 4 tons, 1280 lbs.

Coal remaining on hand at noon, 138 " 90 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, eighths.	State of the Sea.
P. M.																		
1	5	4	25.1	N. W. by W.	W. S.W.	2			30 33	76	73	70	68	Clear	Cu		4	S
2	8	3	36.4	"	S. S. E.	1			30 33	76	70	69	69	Clear	Cumu		7	"
3	8	2	44.6	"	S.E.	2			30 33	79	70	69	68	Clear	"		8	"
4	8	3	52.9	"	"	3			30 32	78	69	67	68	"	"		9	"
5	8	6	61.5	"	"	4			30 31	76	68	67	68	"	"		9	"
6	5	1	66.6															
	3	4	70.0	N. W.	"	4			30 29	76	68	67	68	"	"		8	"
7	9	0	79.0	"	"	4			30 30	78	68	67	68	"	"		8	"
8	8	7	87.7	"	"	4			30 30	78	68	67	67	"	"		9	"
9	8	0	95.7	N. W. by N.	South	5			30 28	78	67	67	69	Cloudy	"		9	M.
10	8	6	4.3	"	S.S.W.	5-6			30 27	78	67	67	69	"	"		9	"
11	8	1	12.4	"	"	4			30 25	78	67	67	69	Clear	"		5	"
Mid.	8	7	20.1	"	"	3			30 24	78	68	68	70	"	"		3	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Monday, November 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright starlight. Calm, light airs and light breezes from N.E. and N.N.E. Barometer steady. Distilling from Boiler C. At 4.00 started fires in A and B Boilers.

4 to 8 A.M.

J. R. Edwin
Ensign, U.S.N.

Clear and hazy. Damp. Light airs and breezes from N.N.E. and N.N.W. Barometer steady. English steamer "Austria" left the harbor at 7.15. Made preparations for getting under way. Distilling. Italian mail steamer came into port.

[illegible]
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light haze. Light airs from N.N.W. and South. Barometer rising first hour then steady. Called all hands, unmoor ship at 8.50. Clear of dock, and went ahead slow on engine at 9.25, full speed at 9.34. Put over patent log at 9.40 reading 0. Steering various courses through Bocca Piccola and Procida Channel until 11.36 when the course was set N.W. ¾ W. (p.s.c.), north-west point Procida Island and south-east point Ischia island being in line on port beam, p.l. 13.9. Draft forward 14'-00"; amidship 14'-10"; aft 16'-09". Bent topgallantsails and crossed yards, sent down royals; bent main topmast staysail. Set jib, flying jib, and fore topmast staysail about 11.45. The Italian Admiral sent his aid on board this ship to say good-by about 9.00. Average steam pressure 68 lbs., average revolutions 46.7. Stopped distilling at 9.30.

W. J. Marin
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and fair. Light airs to gentle breezes from W.S.W., S.S.E. and S.E. Light drizzling rain falling at 2.00. Barometer steady. On course N.W. ¾ W. under steam. Boilers A, C, and D. Jib, flying jib and fore topmast staysail set. At 1.00 set topsail and spanker. At 2.00 took in all sail and at 3.20 made all fore and aft sail except main topmast staysail. Renewed the acting appointments of J. S. West (U.S.M.C.) from Nov. 1, 1899 and of J. Morris (U.S.M.C.) from Nov. 5, 1899. Exercised watch below at knotting and splicing and watch on deck in lead of gear. Av. rev. 48.1. Av. steam 68.

J. R. Edwin
Ensign, U.S.N.

4 to 6 P.M.

Cloudy. Moderate S.E. by E. breeze. At 5.40, Cape Circeo light abeam distant 13 miles, log 66.6, changed course to N.W. (p.s.c.). At 5.05 mustered at quarters, no absentees. Passed two steamers. Two sailing vessels in sight off starboard bow. Took in all sail at 5.20. At end of watch under steam alone, on course N.W. (p.s.c.) log 70.0. Av. steam 66 lbs. Av. revs. 49.1.

Boaz Bare
Ensign, U.S.N.

6 to 8 P.M.

Cloudy and pleasant. Moderate S.E. breeze. Steaming under three boilers. Course N.W. (p.s.c.). Ship steady. At 6.55 sighted Cape Anzio Light on starboard bow. At 8.00 Cape Anzio Light was on the beam bearing North (p.s.c.). Pat. log 87.7. Av. steam 66. Revs. 49.0.

C. M. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Overcast first two hours, clearing last two. Light passing rain first two hours. Brilliant lightning with occasional distant thunder. Fresh to gentle breeze from South and S.S.W. Barometer about steady. At 8.37 changed course to N.W. ½ N. (p.s.c.), pat. log reading 92.0, Anzio light being abeam. At 10.45 sighted Frumara Grande light, which was abeam at 11.35 distant 9 miles, pat. log 17. Ship rolling easily in moderate seas on port quarter. Maximum roll 10° to starboard and 7° to port. Steaming Course N.W. ¼ N. (p.s.c.) at end of watch. Making 5 rolls per minute. Steam 61. Revolutions 47.

[illegible]
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Naples to Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	7	8	279	N. W. ¼ N.	E. S. E.	2			30 28	75	67	67	69	helw	cu. n.		3	m
2	7	8	35.7	"	N. E. by N.	3			30 28	72	65	65	69	"	cu.		4	S.
3	6	4	42.1	"	N. N. E.	2			30 27	71	65	65	69	bc.	"		2	"
4	7	9	50.0	"	North.	3			30 27	68	64	64	68	"	"		1	"
5	7	2	57.2	"	"	3			30 27	69	64	64	69	bel.	"		1	"
6	3	4	60.6	N. W. by N.	"	3			30 29	70	64	64	69	bc.	"		1	"
7	4	9	65.3	N. W. ½ W.	"	3			30 30	67	64	64	69	"	"		1	"
8	8	4	73.7	N. by W. ½ W.	"	2			30 31	67	64	64	69	"	"		1	"
9	7	4	81.1	"	"	3			30 33	67	64	62	69	"	"		1	"
10	7	4	89.5	"	N. E.	3			30 33	67	64	62	69	"	"		1	"
11	8	0	97.5	N. N. W. ½ W.	"	3			30 33	67	64	62	68	"	"		1	"
Noon.	8	9	106.4	"	N. N. E.	3			30 33	66	64	62	68	"	"		1	"
	4	2	10.4															
	4	4	14.8	N. by W. ½ W.	North	2			30 34	67	66	64	68	"	"		1	"

Position at 8 A. M. { Latitude by bearings: 42° 20′ 00″ N. Mag. Comp.
Longitude by bearings: 11° 00′ 00″ E. Var. Apt.

Position at noon: { Latitude by observation bearings: 42° 48′ 00″ N.
Longitude by observation bearings: 10° 34′ 30″ E.
Latitude by D. R.: ° ′ ″
Longitude by D. R.: ° ′ ″

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 196 miles.

Distance by Log since preceding noon: 196 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by: ° ′ ″
Longitude by: ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 13 tons, 160 lbs.

Coal remaining on hand at noon, 124 " 2170 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	7	7	22.5	N. by W. ½ W.	N. W.	2			30 34	71	68	64	68	bc	cu		1	S.
2	8	1	30.6	N. ½ W.	"	2			30 36	82	68	64	68	"	"		1	"
3	8	3	38.9	"	"	2			30 34	76	67	63	68	"	"		2	"
4	8	1	47.0	"	N. N. W.	2			30 35	76	67	63	68	"	"		3	"
5	7	8	54.8	"	N. N. E.	3			30 37	76	66	64	68	"	a-cu		7	"
6	7	2	62.0	Various	"	3			30 37	75	66	65	68	bcu	"		6	"
7	—	—	—	Moored	"	2			30 37	74	65	65	—	"	"		5	—
8	—	—	—		"	1			30 37	72	63	63	—	"	"		4	—
9	—	—	—		"	1			30 37	70	62	62	—	"	"		5	—
10	—	—	—		"	1			30 37	68	60	60	—	"	"		5	—
11	—	—	—		"	1			30 36	67	60	60	—	"	"		4	—
Mid.	—	—	—		"	1			30 34	64	59	59	—	"	"		4	—

4—5 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, November 7th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, lightning first part. Light and gentle breezes from S.S.E., N.E.by N., N.N.E. and North. Barometer steady. Ship rolling 6 times per minute at intervals, 6° each side. Sighted a steamer on port bow at 12:15, another 3 points forward beam at 3:30, and another 2 points forward starboard beam at 2:32, all going to South-eastward. At 2:30 stopped engine to repair oil cup on H.P. crank shaft, and went ahead full speed again at 2:47. Sighted Cinta Vecchia lt. 2½ points forward starboard beam at 3:20, it was N. 19° E. (p.s.c.) by bearing at 2:25 (p.l. 39.5) and abeam at 3:25 (p.l. 45.5). On course N.W. ¼ N. (p.s.c.) under steam alone. Average steam pressure 53 lbs., average revolutions 46.3.

W. J. Manion,
Ensign, U.S.N.

4 to 8 A.M.

Clear and fine. Light to gentle breeze from North. Barometer rising. Under steam on three boilers. At 5:20 set all fore and aft sail. On course N.W. ½ N. until 5:30 when changed to N.W.by N. p.l. 60.6. At 6:00 changed course to N.N.W. ½ W. p.l. 65.9. At 6:25 to N.by W. ½ W. p.l. 67.9. At 7:07 sighted Giannutri Island lt. 1 point on starboard bow and then sighted Ecodala lt. and Giglio Island light. Av. steam 54. Av. revs. 46.3.

F. R. Gibbons Ensign, U.S.N.

8 A.M. to Meridian

Clear and pleasant. Gentle to light breeze from N.E. to North Sea smooth and ship steady. At 9:25, log 92.5, changed course to N.N.W. ½ W. (p.s.c.). At 11:30, log 101.4, changed course to N. by W. ½ W. (p.s.c.). At 9:30 mustered at quarters, no absentees, and held routine drills. The Commanding Officer assigned the following punishments:- P.J. Lenoone, P.C. Franks, N.G. Derrick, and L.C. Slick, A.S.C., shirking, 4 hours extra duty; W. Zackary, M. Att., impudence to wardroom steward, 2 hours extra duty; J.J. Hevey, J.J. Thornton, J. Kelly, and H.O. Burr, A.S.C., disobedience of orders, 2 hours extra duty; J.J. Thornton, A.S.C., transferring message to another person given to him by the officer of the deck; C.A. Mullen and W.F. Cowle, A.S.C., Satisfied at drill, W.J. Haley, A.S.C., Chewing tobacco at drill, R.J. White A.S.C., inattentive at drill, 2 hours extra duty each. At 8:30 took in all fore and aft sail, set it at 10:30, and took it in at 11:00. At 8:20 hoisted our colors in reply to a signal requesting the same from island of Giglio. Passed an Austrian, and an Italian steamer, and an Italian brig, bound S.S.E. Coast of Italy in sight, island of Elba and Cerboli abeam at end of watch. Under steam alone, log 141.8, on course N. by W. ½ W. (p.s.c.). Av. steam 52. Av. revs. 47.8.

Roger Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light breeze from N.W. to N.N.W. Course N. by W. ½ W. (p.s.c.). Under steam alone, Passing through Piombino Channel during first hour. At 1:00 changed course to N. ½ W. (p.s.c.). Exercised watch on deck at the gear and watch below at knotting and splicing. At 4:00 Vada Rock bore on the bow bearing N.E. ½ N. (p.c.c.), p.l. 47.0. Av. steam 53. Revs. 47.

C. W. Fahs
Lieut., U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle N.N.E. breeze. Barometer steady. On course N. ½ W. until 5:00 when stood in for Leghorn. At sunset sighted light. At 5:56 took pilot on board. Standing in. Discharging at end of watch.

W. J. Manion
Ensign, U.S.N.

Steam, 55.5 Revs. 46.6

6 to 8 P.M.

Fair and pleasant. Light airs and breezes from N.N.E. Barometer steady. On arriving entered into port of Leghorn. Came to anchor (starboard anchor) at 6:30, let go port anchor, veered to 105 fms. starboard chain, 75 fms. port chain. Moored, stern secured to breakwater, wire hawser starboard quarter, manila hawser port quarter. At 6:45 allowed fires to die out in boilers A & B retaining C in use for distilling. Started distiller, Sent distilled water forward to ship's tanks at 7:30. Av. steam 60 lbs., ave revs. 32

W. J. Manion,
Ensign, U.S.N.

8 P.M. to Midnight.

Examined and found to be correct

Clear and pleasant. Light airs from N.N.E. Barometer falling slowly. Distilling with C Boiler

W. T. Eldridge Ensign, U.S.N.

C. F. Lester, Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1					N. N. E.	3			30 32	62	58	55		bw	ci.		2	
2					"	3			30 32	62	57	57		"	"		2	
3					"	4			30 32	62	56	56		"	a-cu.		3	
4					"	3			30 31	62	56	56		"	"		2	
5					"	2			30 30	64	56	56		"	"		2	
6					"	2			30 29	64	56	56		"	"		2	
7					"	2			30 29	63	57	56		bc.	"		2	
8					"	1			30 29	63	57	56		"	"		2	
9					N. E.	2			30 30	66	63	62		bcm.	ci.		2	
10					"	2			30 30	67	63	62		"	"		2	
11					"	1			30 31	71	65	63		"	"		1	
Noon.					"	1			30 31	77	69	67		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp. / Longitude by ° ' " For. Alt.

Position at noon: { Latitude by observation ° ' " 73— 69-68 / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 47 miles.

Distance by Log since preceding noon: 47.2 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, 5 tons, 800 lbs.

Coal remaining on hand at noon, 119 " 1840 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1					Calm.	0			30 30	78	77	67		bc.	ci-s cu.		4	
2					S. S. W.	1			30 29	77	70	66		"	"		6	
3					"	1			30 26	76	70	66		"	ci.		5	
4					"	1			30 25	76	67	65		"	"		5	
5					"	1			30 24	71	65	63		"	"		5	
6					"	1			30 24	70	64	63		"	"		7	
7					"	1			30 23	72	65	64		"	cum		8	
8					"	1			30 22	72	65	65		"	"		8	
9					South	2			30 21	71	65	64		"	a-s.		9	
10					"	2			30 19	70	64	63		"	"		9	
11					"	3			30 17	69	65	64		"	"		8	
Mid.					"	4			30 14	68	65	64		"	n.		8	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, November 8th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Gentle to moderate N.N.E. ly breezes.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Generally clear and pleasant, heavy dew first part. Light breezes to light airs from N.N.E. Barometer steady. Rigged out gangways, booms, and boats. Cleaned boats, quarter mast and cover. Distilling.

W. J. Marlin,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light airs and breezes from N.E. At 8:00 fired National salute of 21 guns, Italian flag at the main and 13 guns, Italian flag at fore. Both salutes returned gun for gun by the Italian flagship. A boarding officer from the Italian flagship called on the ship and an officer from this ship returned the call. The Captain called officially on the Commanding Officer of the Italian cruiser Amerigo Vespucci. Straightening out the moorings and secured chain with 90 fathoms on starboard and 75 on port, three yarns of 8" manila hawser and two yarns 4" wire hawser. No quarters on account of work going on. The Captain awarded punishments as follows: M. J. Bartelme (a.s.c.) To be called ½ hour before all hands for one week for repeated late hammocks; J. P. Geary (a.s.c.) was placed in solitary confinement for 5 days on bread and water for shirking, refusing to go on deck, and attempting to strike Master at Arms. By order of the Captain J. C. O'Donnell (a.s.c.) was released from confinement his term having expired. An officer from the ship called on the United States Consul. Loosed sail at 9:00 to dry.

F. C. Bolton, Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Calms and light S.S.W'ly airs. At 1:45 furled sail. The 5th Division was given instruction in the lead and compass. The U.S. Consul called officially on the Commanding Officer and on his departure was saluted with 7 guns, U.S. flag at the fore. Italian torpedo boat #114 came in.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Cloudy and pleasant. Light airs from S.S.W. Barometer falling. Sent liberty party of men ashore at 5:30 P.M. Stopped distilling at 7:30 and let fires die out in C Boiler.

F. C. Bolton, Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy. Light to moderate South'ly breezes. Barometer falling. Moon set at 9:20.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lieper
Fleet Navigator.

4—99

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each unit.	State of the Sea.
A. M.																		
1					South	3-4			30 12	68	60	60		ocr.	Ci.		10	
2					"	4			30 12	68	64	64		ocd.	"		10	
3					"	4-6			30 10	69	65	65		"	"		10	
4					"	4-6			30 08	70	65	65		"	"		10	
5					"	6			30 06	71	65	65		"	"		10	
6					"	6			30 04	72	65	65		ocr.	"		10	
7					SW	4			30 07	72	65	65		"	"		10	
8					"	4			30 07	70	66	65		oc.	cu-n		10	
9					WSW	5-6			30 07	72	67	56		"	"		10	
10					"	5-6			30 08	72	68	66		"	"		10	
11					"	5-6			30 08	74	68	67		bc.	"		9	
Noon.					"	5-6			30 08	74	68	67		"	"		8	

Position at 8 A. M. { Latitude by ° ' " Mag Comp. Bar Alt.
Longitude by ° ' " 74— 78-69

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 350 gallons.

Water distilled during the preceding 24 hours, 400 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 1 tons, 640 lbs.

Coal remaining on hand at noon, 118 " 480 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each unit.	State of the Sea.
P. M.																		
1					West	5			30 07	74	67	67		bc.	cu-n		7	
2					"	4			30 08	76	68	67		"	"		7	
3					"	4			30 09	78	69	67		"	"		7	
4					"	4			30 09	78	68	67		"	"		7	
5					NW	3			30 11	75	66	65		"	cu.		6	
6					"	2			30 12	75	66	65		"	"		5	
7					"	1			30 13	73	66	65		"	"		3	
8					Calm.	0			30 15	73	65	65		"	a-s cu.		5	
9					NW	1			30 16	71	65	65		brw.	cu-n		6	
10					"	1			30 17	70	65	65		"	"		5	
11					"	1			30 17	70	65	65		"	"		2	
Mid.					"	1			30 17	69	64	64		"	"		1	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, November 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy with rain first hour, and drizzle remainder. Gentle breeze from South at first, increasing to moderate breeze with frequent squally puffs. Barometer falling.

C. W. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Overcast and stormy. Raining heavily second hour. Barometer falling rapidly then rising. Fresh breezes from South first half, then moderating and shifting to S.W.

W. P. Baldwin
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy to overcast, clearing at times. Stiff to fresh W.S.W'ly breezes. Barometer rose slightly. Put out two 5 lines to breakwater astern, one from each quarter. At 9:30 mustered at Quarters, no absentees. Engaged in stationing the apprentices according to a new station bill. By order of the Commanding Officer placed J. C. O'Donnell, A. S.C., in solitary confinement on bread and water for 5 days, for insolence to the officer of the deck; also released L. A. Frank, A.S.C., from confinement, his term having expired. The Commanding Officer of the Italian ship "Amerigo Vespucci" returned the call of the Commander.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and cool. Stiff to moderate breeze from West. The Commander returned the U.S. Consul's call. At 1:10 went to quarters for re-stationing apprentices. After stations were assigned went to Five Quarters.

C. W. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Cloudy and pleasant. Gentle N.W'ly breezes first hour, decreasing to calm last hour. Barometer rising.

Ralph Earle.
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy to fair. Pleasant. Light N.W. airs.

C. W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

P. F. Lusher.
Fleet Navigator.

4—325

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1					Calm.	0			30 16	64	60	60		bw	Mne		0	
2					East.	1			30 16	63	60	60		"	"		0	
3					"	2			30 16	64	60	60		bcw	a-cu		3	
4					"	1			30 16	65	60	60		"	"		2	
5					"	2			30 18	65	60	60		"	"		2	
6					"	2			30 20	62	60	60		"	"		2	
7					"	2			30 21	64	60	60		bc	"		1	
8					"	2			30 21	64	61	60		"	"		1	
9					E. by N.	2			30 23	64	62	60		"	ci-s		1	
10					"	2			30 23	66	63	61		"	"		1	
11					"	2			30 25	68	64	61		"	"		1	
Noon.					N. E.	2			30 25	70	65	62		"	"		2	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp.
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation ° ' " 75— 78-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 118 " 280 "

P. M.																		
1					N. E.	2			30 26	70	65	62		bc	ci-s		2	
2					"	1			30 27	72	65	62		"	"		3	
3					"	1			30 27	72	66	63		"	"		4	
4					"	1			30 27	75	66	64		"	"		5	
5					Calm.	0			30 27	75	64	63		"	"		6	
6					"	0			30 27	74	64	63		"	"		6	
7					"	0			30 27	73	63	63		bcw	a-cu		3	
8					"	0			30 28	73	62	62		"	"		4	
9					"	0			30 28	72	60	60		"	"		5	
10					"	0			30 28	70	60	60		"	"		7	
11					"	0			30 27	70	60	60		"	cu-n		7	
Mid.					"	0			30 26	69	59	59		"	"		7	

under the command of Commander Frank Curtis , U. S. Navy,

Friday, November 10th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Calms to light East'ly airs and breezes.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Fair and damp. Cool. Light East breeze. Barometer rising. Received on Pay Dept. 196½ lbs. of fresh beef, 198¾ lbs. of vegetables, and 159 lbs of soft bread for issue to the crew.

Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light breeze from E by N to N.E. At 9:30 went to General Quarters. After general quarters sent boats out for exercise under oars and sails. Overhauled wheel ropes and found them in fair condition. An officer from the Italian flagship called and notified the Essex that the Rear Admirals flag would be hauled down at sunset this evening and saluted: also that at 8 A.M. tomorrow the flagship would dress ship, and fire three 21 gun salutes during the day; one at 8 A.M., one at noon and one at sunset in honor of the Crown Princes Birthday. He requested that the Essex be dressed and fire one 21 gun salute. The Commanding Officer called officially on the Mayor of Leghorn, the Prefect of the District, and the General Commanding the Division. By order of the Commander released from confinement: C.F. Reiff (a.e.) and D. F. Martini (a.e.)

C.M. Fahs
Lieut, U.S.N.

Meridian to 4 P.M.

Clear and warm. Light N.E. breezes and airs. Barometer rising slightly. At 1:35 Italian torpedo boat No. 114 came into port and left again at 2:30. Tested magazine flood and drain cocks and found them in good condition. Cleaned and disinfected bilges. The Captain left the ship on four days leave of absence. Exercised 2nd Division in gunnery and seamanship. Exercised at loosing and furling sail.

Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Calm. At sunset the "Flavia di Gioia" the Italian Flagship fired a salute of 19 guns and hauled down the Rear Admirals flag flying at her Mizzen truck. Rove off the dressing lines preparatory to dressing ship in the morning.

C.M. Fahs
Lieut, U.S.N.

8 P.M. to Midnight.

Cloudy and calm. Damp. Barometer falling. About 9:30 felt a tremor of the ship which resembled an earth quake shock.

Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, universe.	State of the Sea.
A. M.																		
1					Calm.	0			30 26	69	57	57		bcw.	a-cu		4	
2					"	0			30 25	64	57	57		"	"		3	
3					"	0			30 25	68	57	57		"	"		6	
4					"	0			30 29	66	57	57		"	cu-m		5	
5					East.	1			30 23	64	57	57		"	"		6	
6					"	1			30 23	63	57	57		ocd.	"		10	
7					"	1			30 23	66	57	57		"	"		10	
8					"	1			30 25	67	57	59		"	"		10	
9					N. E.	2			30 25	66	59	59		"	"		10	
10					"	2			3025	67	59	59		"	"		10	
11					"	3			3026	67	60	60		"	"		10	
Noon.					"	3			3029	70	60	60		"	"		10	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp.
Longitude by ° ' " For'd Aft.

Position at noon: { Latitude by observation ° ' " 74— 69 68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 117 " 2010 "

P. M.																		
1					N E by E	2			30 28	71	63	62		bc	a-cu		5	
2					"	2			30 28	73	64	63		"	"		8	
3					"	1			30 27	73	64	63		"	"		8	
4					"	2			30 27	72	64	63		"	"		8	
5					"	1			30 28	70	63	63		"	"		7	
6					"	1			30 28	71	63	63		"	"		7	
7					"	1			30 29	71	62	62		bcw.	"		6	
8					"	1			30 30	71	62	62		"	"		4	
9					E by N	1			30 31	71	60	60		"	a-cu		2	
10					"	2			30 31	65	60	60		"	"		4	
11					"	3			30 29	63	60	60		"	a-cu		8	
Mid.					"	3			30 29	69	60	60		"	"		6	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, November 11th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.m.

Fair and pleasant. Damp. Calm. Barometer falling slowly.

W. H. Hamon,
Ensign, U.S.N.

4. to 8. A.m.

Cloudy to overcast. Drizzling rain. Light airs from East latter part. At 8:00 dressed ship with the Italian ship "Flavio di Gioia" which also fired a salute of 21 guns General cleaning going on.

C. W. Fahs
Lieut., U.S.N.

8. A.m. to Meridan

Cloudy and overcast. Light to gentle N.E. breeze. Barometer rising. Went to quarters at 9.30 and stationed crews for Crm and Away and also stationed the Companies. The Commanding Officer assigned the following punishment J. F. Segmann (A.S.C) Shirking, 1 weeks extra duty. At noon fired a salute of 21 guns as did also the Italian ship "Flavio di Gioia". Two Italian army officers returned the Captains call on the Commanding General.

J. F. Segmann
Ensign, U.S.N.

Meridan to 4 P.m.

Fair and pleasant. Light airs and breezes from N.E. by E. Barometer steady. About 1:30 an Officer from the Flavio di Gioia came on board to return thanks of Commanding Officer for the salute fired by this ship and for our having dressed ship. Apprentices engaged in shifting watch marks.

W. H. Hamon
Ensign, U.S.N.

4. to 8 P.m.

Cloudy and pleasant. Light N.E. by E. airs. Barometer rising. Italian ship "Flavio di Gioia" fired a salute of 21 guns at sunset.

J. F. Segmann
Ensign, U.S.N.

8. P.m. to Midnight

Cloudy and pleasant. Light airs increasing to light and gentle breezes from E.N.E. Barometer steady.

W. H. Hamon
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lupton
Lieut. Navigator.

4—281

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direct.	CLOUDS. Amount, state of the Sky.
A. M.																	
1					N. E	2			30 29	66	60	60		bc.	a-cu		6
2					"	2			30 30	66	60	60		"	"		6
3					"	2			30 30	64	59	59		"	"		6
4					"	2			30 30	63	57	57		"	"		4
5					N. N. E.	2			30 30	63	57	57		"	"		4
6					"	1			30 30	63	57	57		"	"		4
7					"	1			30 29	64	57	57		"	"		4
8					"	1			30 29	64	59	57		"	"		4
9					East	2			30 31	66	64	62		"	"		2
10					"	3			30 34	70	65	63		"	"		6
11					"	3			30 34	71	67	65		"	"		6
Noon.					E. N. E.	2			30 34	72	67	65		"	ci.		4

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ 75— 70-69
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 40-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1350 "

Coal consumed during the preceding 24 hours, tons, 480 lbs.

Coal remaining on hand at noon, 117 " 1620 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direct.	CLOUDS. Amount, state of the Sky.
P. M.																	
1					E. N. E.	2			30 35	78	70	67		bc.	ci-cu		4
2					"	2			30 34	81	73	67		"	"		4
3					N. E	2			30 33	81	73	67		"	"		4
4					"	1			30 32	80	71	67		"	"		4
5					Calm	0			30 30	73	64	64		bcmw	ci-s.		1
6					E S E.	1			30 30	69	62	62		"	"		1
7					Calm	0			30 29	69	60	60		bmw	bne		0
8					"	0			30 29	68	59	59		"	"		0
9					"	0			30 30	67	58	58		"	"		0
10					N. E.	1			30 29	67	58	58		"	"		0
11					"	1			30 29	67	58	58		"	"		0
Mid.					East	1			30 29	67	58	58		bcmw	a-cu		1

under the command of Commander Frank Courtis , U. S. Navy,

Sunday, November 12th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Light breezes from N.E. Barometer steady.

Moon set at 1:25.

K. R. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from N.N.E. Barometer steady. Received in Supplies and Accounts for crew 159 lbs. fresh bread, 198½ lbs. vegetables, and 198½ lbs. fresh meat. Ensign W.S. Crispin and P.A. Surgeon J.F. Leys left the ship with leave of absence for three days.

F. F. Leiper.
Lieut., U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light and gentle breezes from East and light breeze from E.N.E. Barometer rising slowly first part then steady. At 9:30 mustered at quarters, after which the Commanding Officer inspected the ship and crew at quarters. Absentees: J. Grady (B.M. 2c), W. White (B.M. 2c), M. Doran (B.M. 2c), A. Brittain (A.S.C.), L. Dowling (A.S.C.), G.O. Crozee (A.S.C.), D. Donovan (A.S.C.), C.B. Allan (A.S.C.), and M. Ertl (A.S.C.). At 8:30 O.M. Nelson (C.M. 3c) returned on board 1½ hours over liberty. At 10:20 M. Doran (B.M. 2c.) returned on board 3 hours and 20 minutes over liberty. He broke a rib some time ago.

W. H. Mannon
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and fine. Light airs to light breezes from E.N.E. and N.E. Barometer slowly falling. Sent liberty party of men ashore at 1 o'clock. L. Dowling (A.S.C.) returned aboard the ship 2½ hrs over liberty.

K. R. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant with heavy dew. Light airs from E.S.E. and calm. Barometer steady. C.B. Allan (A.S.C.) returned on board about 6:30, 2½ hours over liberty, and J. Grady (B.M. 2c) at 6:50, 11 hours and 50 minutes over liberty. Liberty party of apprentices returned on board about 5:30.

W. H. Mannon
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Bright moonlight. Calm, with light airs from N.E. and East. Barometer steady. At 8:00 O.J. Hollings (A.S.C.), J.A. Bird (A.S.C.), and E.L. Royal (A.S.C.) were found to be absent from the ship without permission.

K. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning forms.	CLOUDS. Amount, eastward.	State of the Sea.
A. M.																		
1					Calm	0			30 27	62	57	57		bcmw	ci.		3	
2					N. E.	1			30 27	61	56	56		"	ci-cu		5	
3					"	1			30 26	59	55	55		"	ci-s.		4	
4					"	2			30 26	59	55	55		"	"		2	
5					"	1			30 27	60	57	57		"	"		2	
6					East	3			30 27	60	57	57		bm.	bme.		0	
7					"	2			30 29	60	57	57		bcm.	cu.		2	
8					"	1			30 29	59	57	57		"	"		2	
9					E. N. E.	2			30 31	61	59	59		"	"		1	
10					"	3-4			30 34	63	61	59		"	"		1	
11					East	4			30 37	69	62	57		"	ci-s		1	
Noon.					"	3			30 38	71	64	59		bc.	"		1	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag Temp. God 74— Aft 69-67

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 460 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, tons, 960 lbs.

Coal remaining on hand at noon, 117 " 640 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning forms.	CLOUDS. Amount, eastward.	State of the Sea.
P. M.																		
1					East	2			30 40	72	66	60		bc.	ci-s.		1	
2					"	2			30 40	74	66	60		"	"		1	
3					"	2			30 39	74	66	63		"	"		2	
4					"	2			30 39	73	65	63		"	"		2	
5					N. E.	1			30 40	70	61	61		bcw	"		2	
6					"	1			30 41	70	60	60		"	"		1	
7					"	1			30 44	71	59	58		bw	mke		0	
8					"	3			30 45	71	57	55		"	"		0	
9					"	3			30 46	69	57	55		"	"		0	
10					"	2			30 46	69	55	53		b.	"		0	
11					"	2			30 46	60	53	53		"	"		0	
Mid.					"	2			30 46	60	53	53		"	"		0	

4—2 5

under the command of Commander Frank Courtis , U. S. Navy,

Monday, November 13th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cool. Calms and light N.E. by airs and breezes. Moon set at 2:20.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Clear and fine. Light airs to gentle breezes from N.E. and East. Very heavy dew. Received in Pay Dept for issue 159 lbs bread, 198 3/4 lbs. meat, and 198 3/4 lbs. Vegetables. Chaplain T.A. Gill, USN, and Ensign W.J. Manson, USN, left the ship on three days leave.

K.K. Baldwin Ensign, USN.

8 A.M. to Meridian.

Clear and pleasant. Light to moderate breeze from E.N.E. and East. Barometer rising. Mustered at quarters at 9:30 A.M. Absentees as follows: W. White (B.M. 2c), A. Brittain (A.S.C.), G.O. Frazee (A.S.C.), T. Donovan (A.S.C.), M. Ertl (A.S.C.), N. C. Hines (A.S.C.), F.C. Hellinge (A.S.C.), J.A. Bunel (A.S.C.), and E.D. Royal (A.S.C.). Exercised at company and battalion drills. Tautened up stern moorings. At 9:10 started fires under C Boiler for auxiliary purposes. By order of the Commanding Officer (Executive Officer) B.F. Snyder (A.S.C.) was confined in double irons on the berth deck to await investigation for leaving ship without permission, and J.P. Geary (A.S.C.) was released from confinement his term having expired. Delivered to J. Spears (Ch. Mch.) Continuous Service Certificate No. 14008.

K.K. Baldwin Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Light East'ly breezes. Exercised all boats under sail. At 1:00 commenced distilling into ship's tanks. W. White, B.M. 2c., returned from liberty 3 0/4 hours overtime.

Ralph Earle,
Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Cool last hour. Light airs to gentle breezes from N.E. Barometer rising. Moonlight last hour. At 6:00 P.M. T. Hines (A.S.C.) and A. Brittain (A.S.C.) returned to the ship, respectively 24 and 48 hours over liberty. F.C. Hellinge (A.S.C.) and E.D. Royal (A.S.C.) absent without permission, returned to the ship and were confined in double irons to await action, by order of the Commanding Officer (Navigator).

K.K. Baldwin Ensign, USN.

8 P.M. to Midnight.

Clear and cool. Gentle to light N.E. by E. breezes. G.O. Frazee, T. Donovan, and M. Ertl, A.S.C., returned from liberty 5 1/2 hours overtime, and were placed in single irons until morning for safe keeping. J.A. Bunel, A.S.C., returned on board and was placed in double irons to await further action, for being absent without leave.

Ralph Earle
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

4-95

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing. Forms	CLOUDS. Amount. eastern h.	State of the Sea.
A. M.																		
1					E N E	2			30 46	66	53	52		bw	mne		0	
2					"	2			30 46	62	58	52		"	"		0	
3					"	2			30 46	61	50	49		bcw	ci		/	
4					"	2			30 45	60	49	49		"	"		/	
5					"	/			30 44	61	50	49		bc	cu		/	
6					"	/			30 43	61	50	49		"	"		/	
7					"	/			30 42	60	50	49		"	"		/	
8					"	/			30 41	60	49	51		"	"		/	
9					"	/			30 44	62	59	56		bcm	cu-cu		2	
10					"	2			30 45	68	61	58		"	"		2	
11					"	2			30 46	70	63	61		"	"		2	
Noon.					"	2			30 47	71	64	61		bm	mne		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 73— 69-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 1120 lbs.

Coal remaining on hand at noon, 115 " 1690 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing. Forms	CLOUDS. Amount. eastern h.	State of the Sea.
P. M.																		
1					N E	2			30 47	75	64	60		bc	ci		/	
2					"	2			30 46	77	64	60		"	"		/	
3					"	2			30 45	76	63	60		b	mne		0	
4					"	2			30 45	75	61	59		"	"		0	
5					"	2			30 44	71	59	58		"	"		0	
6					"	/			30 44	71	55	55		"	"		0	
7					"	/			30 45	71	58	55		bw	"		0	
8					"	/			30 45	70	55	55		"	"		0	
9					"	/			30 46	67	54	53		b	"		0	
10					"	2			30 46	69	53	52		"	"		0	
11					E N E	2			30 46	61	53	51		"	"		0	
Mid.					"	2			30 46	60	52	50		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, November 14th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light E.N.E. breeze.

C.W. Bahs
Lieut., U.S.N.

4. to 8. A.M.

Clear and fine. Light airs from E.N.E. Barometer falling slowly. At 5.45 released from confinement C. O. Frazee (a.s.c.), T. Donovan (a.s.c.), and M. Ott (a.s.c.).

K. L. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light E.N.E. & Var airs and breezes. At 9.30 mustered at quarters, no absentees. Held drills as follows:- 1st Division, battery; 2d, 3d, 4th, and 5th, small arms. Stationed crew at the boats for abandoning ship. By order of the Commanding Officer released J. C. O'Donnell, a.s.c., from confinement, his term having expired; placed W. T. Barnes, and not T. Barnes as same T. Donovan, and A. Buttain, a.s.c., in double irons for ten days, for contracting bills ashore; and placed B. F. Snyder, E. D. Royal, T. C. Hollings, and J. A. Burkel, a.s.c., in confinement for 7 days on full rations, for leaving the ship without permission. The Commanding Officer assigned the following punishments:- T. Donovan, and M. Ott, a.s.c., 5½ hours over leave and drunk, 4th class; T. Ford, a.s.c., making a false report, 3rd Class; J. Kindle, a.s.c., same 2nd class; J. Grady, Bm.s.c., 11½ hours over leave, M. Doran, B.m.s.c., 3½ hours over leave, and P.N. Nielson, G.M.s.c., ½ hours over leave, all placed on 2d class; W. White, Bm.s.c., 30½ hours, C. B. Allen, a.s.c., 24 hours, L. Dowling, a.s.c., 21½ hrs., C. O. Frazee a.s.c. 5½ hours, A. Brittain, a.s.c., 48 hours, and W. T. Hines, a.s.c., 24 hours over leave, all placed on the 4th class. The Captain returned from leave.

Rogers Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light N.E. breeze. Exercised 1st Division at heaving the lead and the deficient boys of 1st Division at seamanship instruction. Exercised a crew of 1st, 2d, and 3d Cutters under oars. Apprentice C. O'Neill while standing quartermaster watch lost overboard the Object glass of Medium Power Telescope No. 96.

C.W. Bahs Lieut, U.S.N.

4. to 8. P.M.

Clear and cool. Light N.E. by breezes and airs. Bright moonlight last half.

Rogers Earle,
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and chilly. Light airs and breezes from N.E. to E.N.E. Ensign W. L. Turpin, P.A. Surgeon J. T. Hays, and Chaplain T. A. Gill returned from leave.

C.W. Bahs.
Lieut, U.S.N.

Examined and found to be correct.

F. F. Lucas
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1					N E	2			30 47	60	52	50		b	mc		0	
2					"	1			30 47	61	52	50		"	"		0	
3					"	1			30 47	60	52	50		"	"		0	
4					"	1			30 47	60	52	50		"	"		0	
5					East	2			30 46	61	51	49		"	"		0	
6					"	2			30 46	60	51	49		"	"		0	
7					"	2			30 48	63	51	49		bm	"		0	
8					"	3			30 49	60	53	50		"	"		0	
9					"	3			30 51	60	57	54		"	"		0	
10					"	3			30 52	66	62	58		"	"		0	
11					"	2			30 52	68	62	58		"	"		0	
Noon.					E N E.	2			30 52	68	62	59		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp.
Longitude by ° ′ ″ God Aft.
71 — 69-65

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 25000 "

Coal consumed during the preceding 24 hours, 1 tons, 1120 lbs.

Coal remaining on hand at noon, 114 " 570 "

P. M.																		
1					E N E	2			30 52	78	63	59		bc	ci		1	
2					"	2			30 51	78	63	59		"	"		1	
3					"	2			30 50	78	63	59		"	"		1	
4					N E	3			30 49	76	62	58		"	"		1	
5					"	2			30 48	72	59	58		"	"		4	
6					"	1			30 47	70	58	57		"	"		3	
7					East	1			30 45	68	56	55		"	"		5	
8					"	1			30 44	66	55	54		"	"		3	
9					Calm	0			30 43	66	54	54		bcw	"		1	
10					N N W	3			30 40	64	59	56		"	cu		2	
11					"	4			30 39	64	59	58		"	"		4	
Mid.					"	4			30 36	64	59	58		"	"		4	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, November 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear. Bright moonlight. Cool. Light N.E. airs and breezes. Barometer high and steady.

J. Hurdlow
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Light to gentle East'ly breezes. Moon set at 4.40. Received on Pay Dept. 159 lbs fresh bread, 198½ lbs each of fresh meat and vegetables.

Ralph Earle
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to light breeze from East to E.N.E. At 9.30 inspected at quarters, exercised at setting up drill and then at "Arm and Away". After "Arm and Away" exercised boats under oars and then under sail, directing by signals from the ship. The Italian cruiser "Flavio Gioia" put to sea. The Prefect of Leghorn called on board on the Commander and upon leaving was saluted with 17 guns, the Italian Ensign at the fore. Received on board in Engineer Dept. 5 barrels of oil and 2 bales of waste. The "Flavio Gioia" answered our salute gun for gun.

C. M. Fahs
Lieut, U.S.N.

Meridian to 4 P.M.

Clear, fine weather. Light to gentle breeze from E.N.E. and N.E. Barometer falling slowly. Exercised at sail drill.

J. Hurdlow
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Light breezes to light airs from N.E. to East. Received on board 6½ cases of saluting powder, containing about 550 lbs. At 6.15 stopped distilling and banked fires.

C. M. Fahs
Lieut, U.S.N.

8 P.M. to Midnight.

Clear and cool. Calm to moderate breeze from N.N.W. Barometer falling slowly. Ensign W. J. Manion, U.S.N., returned from leave of absence.

J. Hurdlow
Ensign, U.S.N.

Examined and found to be correct.

T. F. Leyer
Lt.
Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Leghorn, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hed.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1					N. by E.	3			30 39	62	57	55		be	ci-s		6	
2					N. E.	1			30 31	62	55	54		"	"		9	
3					Calm.	0			30 28	64	55	55		oc	"		10	
4						0			30 26	65	57	56		"	"		10	
5					N. by E.	1			30 24	66	57	56		"	"		10	
6					North.	2			30 29	67	56	55		"	"		10	
7					N. W.	3			30 19	68	56	55		"	"		10	
8					"	3			30 17	68	56	55		"	"		10	
9					"	1			30 15	63	55	54		"	a. s.		10	
10					"	1			30 13	65	57	56		"	"		10	
11					"	2-3			30 11	66	58	57		"	"		10	
Noon.					"	2			30 11	68	60	58		be	"		9	

Position at 8 A. M. { Latitude by ° ′ ″ Mag: Temp
Longitude by ° ′ ″ For Alt
72— 68-66

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by bearings 43° 49′ 00″ N.
Longitude by bearings 9° 44′ 00″ E.

Variation of compass: No observations

Error of compass observed at "

Deviation of compass on "

Water expended during the preceding 24 hours, 48-0 gallons.

Water distilled during the preceding 24 hours, 30 00 "

Water remaining on hand fit for use at noon, 26 50 "

Coal consumed during the preceding 24 hours, 1 tons, 640 lbs.

Coal remaining on hand at noon, 112 " 2170 "

P. M.																		
1					N. E.	1			30 11	72	67	62		be	a.-s.		8	
2					"	2			30 11	72	67	61		"	cu-m.		8	
3					E. by N.	4			30 12	72	66	60		"	"		7	
4					E. N. E.	7			30 15	67	65	63		"	"		7	
5	2	5	3.5	Various		"		8-9	30 15	72	59	62		bem.	"		6	m.
6	7	5	14.3	"	N. W. by N.	"		8	30 18	64	54	52		be.	"		2	"
7	7	9	22.4	"	East	7			30 20	64	54	57	66	be	mm		0	"
8	7	8	30.2	"	"	7			30 24	66	56	51	66	"	"		0	"
9	6	3	36.5	"	"	6			30 30	68	56	51	66	"	"		0	"
10	5	0	41.5	"	"	5			30 34	68	65	50	65	be	cu.		1	"
11	5	0	46.5	"	"	3			30 34	68	55	50	65	"	"		2	"
Mid.	4	5	51.0	"	"	4			30 34	66	54	50	65	"	"		2	"

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, November 16th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear first part, cloudy afterwards, and pleasant. Gentle breeze from N. by E. falling to light airs from N.E. and then calm. Barometer falling slowly.

W. H. Manion,
Ensign, U.S.N.

4 to 8 A.M.

Overcast and cloudy. Light airs and breezes from N. by E. and North, changing to gentle breeze from N.W. latter half.

C. M. Zaho
Lieut., U.S.N.

8 A.M. to Meridian

Overcast and damp. Light airs to gentle breezes from N.W. Barometer falling. At 9:30 mustered at quarters. No absentees. After muster exercised divisions as per routine. The Captain assigned the following punishments. M. B. Barlow (A.S.C.), J. A. M. Foley (A.S.C.), W. A. Johnson (A.S.C.), and J. MacLeod (A.S.C.), Disobedience of orders, 8 hours extra duty. E. J. O'Neill (A.S.C.), Hanging clothes about the deck, 2 hours extra duty. J. Purce (M.A.A.), Hanging clothes about deck, 2 hours extra duty. J. Grady (B.M.S.C.), Disobedience, 4th Class. The Captain renewed for a period of six months the acting appointment of Fritz Bromberger, Coxswain. At 10:00 started fires under Boiler "B". Secured boats and made preparations for sea.

W. H. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Light airs and breezes from N.E., increasing to moderate breeze from E. by N. and fresh breeze from E.N.E. Barometer steady first part, rising at end of watch. Finished securing for sea. At 2:45 called all hands unmoor ship, got underway at 3:55 and went ahead on various courses heading out of the harbor. Draft forward 13'-4"; amidships 15'-3"; aft 16'-6".

W. H. Manion,
Ensign, U.S.N.

4 to 8 P.M.

Cloudy to clear and cool. Moderate gale to very fresh breeze from E.N.E. to East. Barometer rising. Standing out of Leghorn at beginning of watch. At 4:15 set course West and put over patent log reading 0. At 4:43 changed course to N.W. by N. (P.S.C.). At 6:10 sighted Cino Light. At 6:20 lost sight of Leghorn Light bearing S.E. ¾ E. (P.S.C.). At 6:50 Cino Light was on bow. Pat. log reading 21. Ship rolling easily, at times heavily to moderate sea on starboard quarter. Maximum roll 18° to port and 12° to starboard. At 6:55 lighted fires under boiler "B". Average steam pressure 59 lbs. Revs. 42.5. Land in sight on starboard hand throughout watch. Moonrise at 5:30.

W. H. Manion,
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Fresh falling to gentle and moderate breezes from East. Barometer rising first hour, then steady. Started distiller at 8:20, and sent water forward at 8:45. At 8:45 Cino Island Lt. was abeam - distant 13.8 miles. Sighted several steamers. Ship rolling and pitching slightly. On course N.W. by N. (P.S.C.) under steam alone. Average revolutions 31, average steam pressure 57 lbs. At 11:42 Cino Lt. was broad off starboard quarter p.l. reading 49.6.

W. H. Manion,
Ensign, U.S.N.

Examined and found to be correct.

F. T. Leyser
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Leghorn to Genoa, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sometimes	State of the Sea.
A. M.																		
1	3	2	54.9	N.W.by N.	E.N.E.	4			30.36	64	54	53	64	bw.	ci.		1	m.
2	3	7	57.6	"	"	4			30.36	64	54	53	63	"	"		1	"
3	3	3	61.8	"	N.E.	5			30.37	64	54	51	63	"	"		1	"
4	2	8	64.7	"	"	4			30.39	64	54	50	63	bc.	cu.		1	"
5	3	0	67.0	N. by W. ½ W.	"	3			30.39	66	54	50	63	"	"		1	S.
6	1	6	69.3	"	North	3			30.39	67	54	50	63	"	"		1	"
7	1	8	71.1	"	"	3			30.40	66	54	50	63	"	"		1	"
8	4	2	75.3	Various	"	4			30.40	56	55	51	63	"	"		1	"
9	4	1	79.4		N.N.E.	4			30.41	60	54	51		"	"		1	
10					"	4			30.41	62	54	50		"	"		1	
11					"	4			30.41	62	54	50		"	"		1	
Noon.					N.N.W.	5			30.39	66	64	50		"	"		1	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For Alt.
Longitude by ° ′ ″ 70 — 68-66

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon: Coasting

Distance made good since preceding noon: ~~78~~ miles.

Distance by Log since preceding noon: 79.4 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~600~~ gallons.

Water distilled during the preceding 24 hours, 650 "

Water remaining on hand fit for use at noon, ~~6000~~ "

Coal consumed during the preceding 24 hours, 8 tons, 800 lbs.

Coal remaining on hand at noon, 104 " 1370 "

P. M.													
1		N.N.E.	4		30.35	65	57	51		c.	hmc		0
2		"	3		30.35	65	57	52		"	"		0
3		"	4		30.33	65	57	51		"	"		0
4		"	4		30.33	64	58	51		"	"		0
5		"	4		30.32	63	54	50		"	"		0
6		"	5		30.30	62	52	48		"	"		0
7		"	3		30.32	62	52	49		"	"		0
8		E.S.E.	2		30.33	62	52	49		"	"		0
9		East	2		30.35	64	50	47		"	"		0
10		N.E.	2		30.37	66	50	47		"	"		0
11		"	0-1		30.34	62	49	47		"	"		0
Mid.		Variable	1-3		30.33	61	50	47		"	"		0

4—2 5

under the command of Commander Frank Curtis , U. S. Navy,

Friday, November 17th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Moonlight. Moderate to stiff breezes from E.N.E. and N.E. On course N.W. by N. under steam alone. Two boilers. Distilling. Left Cano Island at 1:18 bearing about E.S.E. ½ E. Sighted San Benigno Light at 1:30 bearing N. by W. ⅞ W. p.l. 5½ s. Passed two steamers and two sail. Average steam 51. Average revolutions 81.5.

F. K. Baldwin
Ensign, U.S.N.

4 to 8 A.M.

Fair and cool. Gentle to moderate breeze from N.E. and North. Barometer steady. At 5:00 changed course to N. by W. ½ W. (P.S.C.). Land in sight on starboard hand and ahead. Stopped distilling at 6:00. Ship steady. Av. steam pressure 56. Revs. 215 Went ahead full speed at 8:00.

F. K. Baldwin
Ensign, U.S.N.

8 A.M. to Meridian

Fair and pleasant. Moderate breeze from N.N.E., and stiff breeze from N.N.W. Barometer steady. At 8:35 stopped and took pilot on board. Went ahead again and called all hands to moor ship. At 8:40. Fired a national salute of 21 guns, Italian flag at the main, which was returned gun for gun by battery on shore. Took in p.l. reading 79.4 at 9:00, came to anchor, moored ship with both anchors, and four lines to breakwater. At 9:30 fired a salute of 13 guns, Turkish flag at the fore, which salute was returned gun for gun by the Turkish flagship "Asmi Zafer". Officers from the Turkish and Argentine men-of-war "Asmi Zafer" and "Garabaldi" made boarding visit to this ship, which visits were returned by an Officer. A Boarding Officer from the Captain of the Port called on board, which visit was also returned. Expended in the Department of Ordnance 34 rounds of saluting charges.

W. H. Hamlin
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and cold. Gentle to moderate breeze from N.N.E. Barometer steady. At 12:30 the U.S. Consul visited the ship and on his departure at 1:00 fired a salute of seven guns, American flag at fore. At 12:05 Stopped distilling, tanks being full and low banked fires under C Boiler for heating purposes. Shifted boys bags to correspond to new ship numbers. The Captain made official visits to the Turkish Rear Admiral, and the Commanding Officer of the Argentine Cruiser. Loaded 154 saluting charges. Tested magazine flood cocks and found them in good condition. Cleaned and disinfected bilges.

F. K. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Clear and cold. Moderate and stiff falling to gentle breezes from N.N.E. and light breeze from E.S.E. Barometer falling first part, rising afterwards. About 4:30 the Commanding Officer of the Argentine man-of-war Garabaldi called on the Commanding Officer and Ward Room Officers of this Ship.

W. H. Hamlin
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and cold. Bright moonlight. Calm to light airs from East and N.E.

F. K. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Lapsley
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1					North	5-6			30 31	60	50	47		bc	a-cu		2	
2					"	4-5			30 31	60	49	46		"	"		3	
3					"	3-4			30 32	60	48	46		"	"		4	
4					"	3-4			30 32	62	47	44		"	ci.		3	
5					N. E.	4			30 32	62	47	44		"	"		/	
6					"	4			30 31	56	47	44		"	"		/	
7					N. N. E.	4			30 30	54	46	44		"	"		/	
8					"	4			30 29	60	46	44		"	"		/	
9					"	4			30 32	50	46	44		"	"		/	
10					"	4-6			30 32	64	48	45		"	"		/	
11					"	4-6			30 32	64	50	46		"	"		/	
Noon.					"	4-6			30 32	57	51	46		"	"		/	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Alt.
Longitude by ° ′ ″ 71— 66-65

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 103 " 1450 "

P. M.																		
1					N E	5			30 31	59	50	46		bc	cu-a		5-	
2					"	5			30 30	60	51	47		"	"		5	
3					"	5			30 29	61	52	49		"	"		4	
4					N. N. E	5			30 29	62	53	50		"	"		4	
5					"	5			30 31	56	50	50		"	"		7	
6					North	5			30 32	68	50	49		"	"		6	
7					"	4			30 36	68	49	50		"	a-cu		7	
8					"	5-7			30 34	67	50	49		"	"		9	
9					N. N. E	8			30 36	55	47	47		"	cu-n		8	
10					"	7			30 37	54	47	47		"	"		8	
11					"	7			30 38	52	47	46		"	"		8	
Mid.					"	5			30 39	52	47	46		"	"		8	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, November 18th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and cold. Gentle to fresh North'ly breezes blowing in squalls. Bright moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and cold. Moderate breezes from N.E. and N.N.E. Barometer falling slowly. General cleaning going on.

W. J. Marion,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and cold. Moderate to stiff breezes blowing in squalls from N.N.E. Barometer steady. Field day. The Captain called officially on the Prefect, Mayor and General commanding the forces at Cavite. Put out another 5" manila line on port quarter. The Captain awarded punishments as follows: P.O.3. Kaminachy (A.B.C.) 16 hours extra duty for stealing food from the galley. P.O.3. Lowry (A.B.C.) and G.M. Weichelt (A.B.C.) 8 hours extra duty for mutilating boat line.

J. T. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Fair and cold. Stiff N.E. by E. to N.N.E. by E. breezes blowing in squalls. Barometer fell slightly. The Turkish Rear Admiral returned the call of the Captain and on his departure was saluted with 13 guns, Turkish flag at the fore.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Cloudy and cold. Stiff breezes from N.N.E. and North. Barometer rising. At 5:33 sounded fire call. Divisions reported as follows: 4th, 1 min., Navigators 1 min., Powder 2 min., 1st 2½ min., 2nd 2½ min., 5th 3 min., 3rd 3½ minutes. Secured at 5:39. All divisions secure in 3 minutes. Received on Pay Dept. for issue 198¾ lbs. meat, 198¾ lbs vegetables, 120 lbs. bread. Moon rose at 5:50.

J. T. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and cold. Stiff breezes to moderate gales from N.N.E. blowing in squalls, and moderating last hour. Barometer rising. Bent sheet chain and got 2nd bower anchor ready for letting go.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. & Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1					North	4-6			30.37	58	50	50		bc.	ci-cu		2	
2					"	6			30.37	60	50	50		"	Cr-cu		1	
3					"	6			30.37	61	50	50		"	"		1	
4					"	6			30.37	62	51	51		b.	Cmc		0	
5					"	6			30.36	60	51	51		"	"		0	
6					"	6			30.34	59	51	51		"	"		0	
7					"	6			30.32	59	51	51		bc.	cu.		1	
8					"	6			30.32	61	51	48		"	"		1	
9					"	6			30.33	60	51	48		"	"		1	
10					"	7			30.31	60	52	48		"	ci.		1	
11					"	8			30.30	60	53	48		"	"		2	
Noon.					"	8			30.29	61	54	48		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Dnag. Temp
Longitude by ° ′ ″ For Aft.

Position at noon: { Latitude by observation ° ′ ″ 72 — 67-66
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 108 " 1290 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1					North	8			30.25	61	54	48		bc	ci.		3	
2					"	8-9			30.17	60	54	48		"	"		4	
3					"	6-8			30.20	60	55	48		"	"		4	
4					"	6-8			30.20	60	55	48		"	"		5	
5					N. N. E.	8			30.17	56	54	47		"	cu.		5	
6					"	6-4			30.17	56	54	49		"	cu-m		5	
7					"	7-8			30.16	56	55	49		"	"		5	
8					"	7-8			30.16	55	55	49		"	"		4	
9					"	6-8			30.16	58	55	49		"	ci-cu		4	
10					"	7-8			30.16	56	54	49		"	"		5	
11					"	6-8			30.16	56	54	49		"	"		6	
Mid.					"	6-8			30.15	56	54	49		"	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, November 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.m.

Clear and cold. Blowing a fresh breeze with frequent puffs from North.

C.M. Fahs
Lieut., U.S.N.

4 to 8. A.m.

Clear and cold. Fresh breezes from North. Barometer falling slowly. Bright moonlight first half.

J. F. Baldwin Ensign, U.S.N.

8. A.m. to Meridian.

Fair and cool. Fresh breezes to moderate gale from North. Barometer fell slightly. At 9:30 mustered and inspected divisions at quarters, no absentees. The Chaplain held divine service. The Commanding Officer assigned the following punishments:- F. Plotz, Cox, returning from liberty tight, 2d Class; J. C. O'Donnell, Q.M., shirking from his work, 8 hours extra duty.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and cool. Blowing a moderate to strong gale at times from North. Moderating last hour. Received in Pay Dep't. for the crew fresh provisions as follows: 198¾ lbs meat, 198¾ lbs vegetables, and 159 lbs of bread. Shifted the wire hawser to a bollard farther to windward.

C.M. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Fair and cool. Moderate gale to stiff N.N.E. Gy breezes, moderating second hour to moderate breezes. Moon rose at 7:00.

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and cool. Fresh breeze from N.N.E. increasing at times to force of a moderate gale.

C.M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

F. F. Leeper.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, sameness &c.	State of the Sea.
A. M.																		
1					N. N. E.	6-8			30 12	58	53	48		beg.	cu.		3	
2					"	5-7			30 12	55	53	48		"	"		2	
3					"	7-8			30 11	55	52	47		"	"		2	
4					"	5-7			30 10	56	52	47		"	"		1	
5					"	6			30 09	57	52	47		b.	Sme		0	
6					"	5-			30 08	58	52	47		"	"		0	
7					"	6			30 07	57	52	47		be.	Scu		1	
8					"	3-4			30 07	57	52	47		"	"		1	
9					"	5-7			30 09	62	54	49		beg.	cu		1.	
10					"	5-7			30 09	62	58-	50		"	"		1	
11					"	5			30 10	64	58	52		"	"		1	
Noon.					"	5-4			30 10	66	60	55		b.	Sme		0	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp.
Longitude by ° ' " For. Alt.

Position at noon: { Latitude by observation ° ' " 71— 68-67
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1450 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 103 " 170 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, sameness &c.	State of the Sea.
P. M.																		
1					North	4			30 09	66	59	53		b.	Sme		0	
2					"	3-4			30 07	66	60	54		"	"		0	
3					"	4			30 06	69	59	54		"	"		0	
4					"	3			30 06	68	58	54		bew.	ci-s		1	
5					"	3			30 06	67	58	53		"	"		1	
6					"	3			30 06	66	55	50		"	"		2	
7					"	3			30 06	62	54	49		be	"		1	
8					"	3			30 06	62	52	48		"	"		2	
9					N. N. E.	3			30 05	60	55	52		"	"		1	
10					"	3			30 06	59	55	52		"	"		2	
11					"	3			30 07	60	55	52		"	"		3	
Mid.					"	3			30 08	60	55	52		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, November 20th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Very fresh N.N.E. breeze with heavy squalls. Barometer falling. Bright moonlight.

C. F. Preston
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Stiff to fresh N.N.E. breezes, dying out at sunrise to gentle breeze. Barometer falling. At 8:00 the Argentine and Turkish men of war dressed ship, and the former and fort fired a salute of 21 guns.

Ralph Earle.
Ensign, U.S.N.

8 A.M. to Meridian

Clear and pleasant. Stiff breeze from N.N.E. with occasional fresh puffs first half, dying to moderate breeze latter part. Dressed ship rainbow fashion with Italian Ensign at the Imam, in honor of the birthday of the Queen of Italy. At noon fired a salute of 21 guns, the other warships in the harbor and the battery on shore doing the same. At 9:00 sent a liberty party of apprentices on shore. At 9:30 inspected at quarters, and then had routine drills. The Commander awarded the following punishments: A. Robinson (App. 3 C) for having dice in his possession and the appearance of gambling, reduced to 2d Class; A. Robinson (App. 3 C) and J. Whelan (App. 3 C), for creating disturbance after "Pipe down", 2 hours extra duty. The following apprentices for not sewing watch marks on clothes when ordered were punished by the Commander as noted: G. Weichelt, R. Perino, reduced to 3d Class; M. C. Hamilton, A. A. Loane, G. A. Burns, G. W. Wrockloge, W. A. Johnson, L. C. Strub, A. E. Gerrity, V. Macfeat, F. L. Goss, O. E. Geer, C. D. Mullon, R. A. Calhoun, A. A. Moore, N. A. Potter, G. P. Schurz, and R. A. Converse, reduced to 2d Class; C. F. Reiff, G. A. Frazee, J. J. Thornton, P. C. Franke, and J. A. Foley were given 8 hours extra duty; J. P. Geary and R. E. Berry, reduced to 4th Class.

E. W. Fahs
Lieut., U.S.N.

Meridian to 4 P.M.

Clear, beautiful weather. Moderate to gentle breeze from North. Barometer falling. Several steamers came into port. Made preparations for coaling ship. Overhauled sheet and steam chains.

C. F. Preston
Ensign, U.S.N.

4 to 8 P.M.

Fair and cool. Gentle breeze from North. At sunset undressed ship. The "Garibaldi" (Argentine) fired 21 guns at sunset.

E. W. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Clear, bright moonlight. Cool. Gentle N.N.E. breeze. Barometer rising. Moon rose at 8:00 o'clock.

C. F. Preston
Ensign, U.S.N.

Examined and found to be correct.

E. J. Leiper.
Lieut. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, subtenths.	State of the Sea.
A. M.																		
1					North	3			30 09	58	54	49		be.	a-cu		4	
2					"	3			30 10	59	54	49		"	"		7	
3					"	3-4			30 10	59	54	49		"	"		8	
4					"	3			30 11	59	54	49		"	"		7	
5					"	3			30 11	59	54	49		"	"		7	
6					"	4			30 11	59	54	49		"	"		8	
7					"	4			30 14	58	54	49		"	"		8	
8					"	4			30 16	59	53	49		"	"		8	
9					"	4			30 20	62	54	50		"	"		8	
10					"	4			30 23	64	56	51		"	"		7	
11					"	4			30 25	65	58	54		"	"		4	
Noon.					"	3			3025	68	62	58		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp. Dr. Aft
Longitude by ° ′ ″ 72— 67-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 1000 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 102 " 1290 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, subtenths.	State of the Sea.
P. M.																		
1					North	3			3025	68	61	58		be.	a-cu		5	
2					"	4			3025	68	61	58		"	"		5	
3					"	4			3025	70	59	55		"	"		4	
4					"	4			3025	70	58	54		"	ci.		3	
5					"	2			3025	67	57	54		"	"		1	
6					"	2			3026	67	56	53		b.	Nmc		0	
7					"	2			3027	66	56	52		"	"		0	
8					"	2-3			3028	66	56	53		"	"		0	
9					N. N. E.	3			3029	62	53	51		"	"		0	
10					"	4			3029	62	53	51		"	"		0	
11					N. E.	4			3029	62	53	51		"	"		0	
Mid.					E. N. E.	3			3030	59	53	51		"	"		0	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, November 21st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and cool. Bright moonlight. Gentle and moderate breezes from North. Barometer rising slowly.

W. J. Mannion
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Gentle and moderate breezes from North.

C. McFarland
Lieut., U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Moderate to light breeze from North. Barometer rising first three hours, steady last hour. Sent liberty party of boys ashore at 9.00. Commenced coaling ship at 8.45. By order of the Captain the following named boys were released from confinement their terms having expired. E. L. Royal (A.S.C.), T. Hellings (A.S.C.), B. F. Snyder (A.S.C.) and A. Bunel (A.S.C.). North German Lloyd Steamer "Frederick der Grosse" left the harbor.

W. J. Mannion
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle and moderate breezes from North. Barometer steady. Sent distilled water forward at 1.35. Received on board in the Department of Equipment 57 2036/2240 tons of Welsh coal. Finished coaling at 1.30. Received in the Department of Supplies and Accounts the following fresh provisions: 159 lbs. bread, 198 3/4 lbs. vegetables, 198 3/4 lbs. meat. An Officer from the Captain of the Port came on board to return thanks for our having dressed ship yesterday.

W. J. Mannion
Ensign, U.S.N.

4 to 8 P.M.

Clear and cool. Light breeze from North. Barometer steady. Several steamers came into and left port. At 5.30, E. L. Royal, T. Hellings, B. F. Snyder & A. Bunel, As. 3c., were placed in double irons for safe-keeping.

W. J. Mannion
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and cool. Gentle and moderate breezes from N.N.E., N.E., and E.N.E. Barometer steady. Moon rose about 8.50.

W. J. Mannion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Luiper
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb	TEMPERATURE. Air: Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1					N.N.E.	3-4			30 31	60	54	51		b.	none		0	
2					"	1-4			30 31	60	54	50		"	"		0	
3					"	3			30 31	59	53	50		"	"		0	
4					"	4			30 31	58	52	49		"	"		0	
5					"	4			30 32	59	50	48		"	"		0	
6					N.E.	2			30 35	66	50	48		"	"		0	
7					"	2			30 35	64	50	48		b.c.	a.cu		1	
8					North	4			30 35	61	50	48		"	"		2	
9					"	5			30 36	63	51	47		b.m.	m.c		0	
10					"	5			30 37	64	54	50		"	"		0	
11					"	5			30 37	65	55	51		"	"		0	
Noon.					"	4			30 37	66	56	51		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp
Longitude by ° ′ ″ Sea Air

Position at noon: { Latitude by observation ° ′ ″ 73— 68-67
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 2 tons, 240 lbs.

Coal remaining on hand at noon, 158 " 846 "

P. M.																		
1					North.	4			30 36	65	56	51		b.m.	m.c		0	
2					"	4			30 35	66	56	51		"	"		0	
3					"	4-5			30 35	66	54	51		"	"		0	
4					"	4-5			30 36	67	55	50		"	"		0	
5					"	4			30 37	67	53	50		b.c.m.	cu.		1	
6					N.N.E.	4			30 38	66	52	49		"	"		1	
7					"	3			30 39	64	52	49		"	"		1	
8					"	3			30 39	63	52	49		b.	m.c		0	
9					"	4			30 40	62	52	49		"	"		0	
10					"	4			30 42	62	51	49		"	"		0	
11					"	3			30 43	62	51	49		"	"		0	
Mid.					"	2			30 43	62	51	49		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, November 22nd , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Cool. Gentle to moderate breezes blowing in puffs from N.N.E. Barometer steady. Moonlight.

H. R. Baldwin Ensign, U.S.N.

4 to 8. A.M.

Clear, fine weather. Cool. Moderate to light breeze from N.E. to North. Barometer rising. Bright moonlight first two hours. At all hands E. D. Royal, J. Hellinga, B. F. Snyder & A. Bunel, A.S.C. were released from confinement.

H. R. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Stiff, decreasing last hour to moderate, breezes from North. Barometer steady. At 9:30 mustered at quarters (no absentees), after which drilled as per routine. At 10:26 sounded call "Arm and away" boats. Boats reported ready as follows:- whaleboat, 4 minutes; 3d & 4th Cutters, 4½ minutes; 1st, 4¾ minutes; 2nd, 5 minutes. The Commanding Officer awarded the following punishments:- W. F. Towle (A.S.C.) shirking, 8 hours extra duty; J. G. Hellinga (A.S.C.), E. D. Royal (A.S.C.), and J. A. Bunel (A.S.C.), contracting bills ashore and not paying same, 10 days confinement in double irons, each; J. Holmes (A.S.C.), not removing shoes when ordered, 3 days solitary confinement on bread and water; and C. F. Reiff (A.S.C.) refusing to obey the order of the Officer of the Deck, 5 days solitary confinement on bread and water.

W. J. Manion, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Cool. Moderate to stiff breezes from North. At 12:30 a water lighter came alongside and delivered on board ½ tons fresh water for steaming purposes. Received in Construction Dept. 10 gals. alcohol, 225 lbs white lead, 15-0 lbs white zinc. Received in Equipment Dept. (Navigation) 15-0 gals. illuminating oil. In Pay Dept. 1400 lbs sugar. Making preparations for ecg.

H. R. Baldwin Ensign, U.S.N.

4. to 8. P.M.

Fair and pleasant. Moderate breeze from North and moderate and gentle breezes from N.N.E. Barometer steady. Received in the Department of Supplies and Accounts 500 English Sovereigns in Gold (=$2433.25) and in the Construction Department 100 lbs pitch, 50 lbs. shellac (gum), 5 gallons turpentine. At sunset B. F. Snyder (A.S.C.), was confined in double irons for safe keeping.

W. J. Manion Ensign, U.S.N.

8. P.M. to Midnight.

Clear and pleasant. Moon rose at 10:05. Gentle to moderate breeze from N.N.E. Barometer rising.

H. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Leaper, Lieut. & Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored, Genoa, Italy

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, observed.	State of the Sea.
A. M.																		
1					S. S. E.	3			30 43	63	51	48		b.	mc		0	
2					"	3			30 44	63	51	49		"	"		0	
3					S. S. E.	3			30 44	58	51	49		"	"		0	
4					"	3			30 44	57	51	49		"	"		0	
5					"	1			30 43	58	51	49		"	"		0	
6					"	1			30 43	59	51	49		bc	cu		1	
7					"	1			30 44	60	51	49		"	"		1	
8					"	1			30 46	61	53	50		"	"		1	
9					S. S. E.	2			30 47	62	56	53		bcm	ci		1	
10					"	1			30 50	66	59	56		bm	mc		0	
11					S. E.	1			30 53	70	61	58		"	"		0	
Noon.					"	1			30 53	77	61	58		"	"		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Air.

Longitude by ° ′ ″ 72— 76-68

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by bearings 44 ° 5′ ″ N.

Longitude by bearings 8 ° 33′ ″ E.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1300 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, ~~2~~ tons, ~~400~~ lbs.

Coal remaining on hand at noon, 15-6 " 446 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, observed.	State of the Sea.
P. M.																		
1					S. S. E.	1			30 54	74	77	69		b.	mc		0	
2					South	1			30 54	74	75	67		"	"		0	
3			79.3		"	1			30 54	75	79	67		"	"		0	
4	2	0	81.3	Various	"	1			30 53	75	79	67		"	"		0	
5	4	5	85.8	S. W. × W. ½ W.	Calm	0			30 52	70	60	67		"	"		0	
6	5	8	91.6	"	"	0			30 52	70	58	65	64	bc	ci		2	S
7	6	6	98.2	"	N. N. W.	2			30 52	67	56	64	64	bcm	"		2	"
8	6	1	4.3	"	"	2			30 52	67	56	64	64	"	"		1	"
9	6	0	10.3	"	"	3			30 54	73	59	58	64	bm	mc		0	"
10	5	6	15.3	"	"	2			30 54	71	59	58	64	"	"		2	"
11	5	2	20.5	"	N. E.	1			30 54	72	58	57	64	b	"		5	"
Mid.	0	"	20.7															
	4	8	25.7	W. S. W. ½ W.	N. W.	2			30 54	72	58	57	64	"	"		8	"

4—26

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, November, 23rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Gentle S.W. & S. by to N.E. by E. breezes. Bright moonlight.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light airs from N.E. Barometer rising slowly. Cast off stern lines, hove in to 45 fathoms to hawse pipe on port chain, and hove in taut on starboard chain with deck tackle. At all hands B. F. Snyder (A.S.C.) was released from confinement.

W. J. Mahoney
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and fine. Light airs and light breezes from N.N.E. and N.E. Barometer rising. At 8:20 hove in to 37½ fathoms on port chain, 43 fathoms on starboard. At 9:30 mustered at quarters. No absentees. Exercised at company and battalion drills. At 10:45 hove up port anchor and hove in to 37½ fathoms on starboard. The Captain awarded punishments as follows: Lt. T. Foley (A.S.C.) 4 hours extra duty for failing to return ammunition to armory after drill. C. L. Tanske (A.S.C.) 2 hours extra duty for skylarking at drill. The Augusta Victoria left the harbor. Secured boats for sea. At 1:30 started fires under B. & D. Boilers.

W. L. Baldwin
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light S.S.W. by and South by airs. At 3:00 got underway and stood out of harbor of Genoa. Put over patent log reading 79.3, at 3:15, ship on course S. by W. ½ W. (A.S.C.) at end of breakwater. At 3:20 banked fires under C. boiler. Took in pat. log at 3:30, reading 81.3, and slowed engines and commenced to swing ship for compass deviation with starboard helm. Draft of ship fo'd. 14', aft 17'. At end of watch swinging ship, under steam on "B" and "D" boilers. Av. steam 44. Av. revs. 32.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and fine. Calm and light airs from N.N.W. Underway under B. & D. Boilers. Swinging ship for compass errors till 4:20 when went ahead full speed on course S.W. by W. ½ W. At 6:00 sighted Vado Light 3 points forward of starboard beam and at 7:05 passed it abeam distant about 9.6 miles. Mustered at quarters at 5:15, no absentees. Exercised at setting up drill. Av. steam 47. Av. revs. 34.2.

W. L. Baldwin
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Gentle to light N.N.W. by breezes first half. Light N.E. by airs and light N.W. by breezes remainder. Barometer steady. Moon rose at 10:45. Sighted Cape Mele light at 8:45 bearing West. On course S.W. by W. ½ W. (P.S.C.) until 11:05 when changed course to W.S.W. ½ W. (P.S.C.) log 20.9, Mele light being abeam distant 6.1 miles. Sighted P. Mendzio and Aneglio lights at 11:20 bearing W. by N. At end of watch under steam alone, on course W.S.W. ½ W. (P.S.C.) log 25.7. Av. steam 50. Av. revs. 30.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leeper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Genoa, Italy, to Ville Franche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, universal.	State of the Sea.
A. M.																		
1	4	6	30.00	W S.W. ¼ W.	N.W.	2			30 54	68	67	57	64	b	nne		0	S
	0	6	30.6	W ½ S.	"													
2	6	0	36.6	"	"	2			30 53	68	67	67	64	"	"		0	"
3	4	6	41.2	"	"	1			30 52	68	67	57	64	"	"		0	"
4	4	6	45.8	"	"	1			30 50	68	57	57	65	"	"		0	"
5	4	4	50.2	"	"	1			30 49	66	57	57	65	"	"		0	"
6	5	3	55.5	"	"	1			30 48	68	57	57	65	"	"		0	"
7	3	0	58.5	N.W. by W.	"	1			30 48	68	58	57	65	br.	cu.		2	"
8	3	0	63.5	"	"	1			30 51	69	58	57	65	"	"		1	"
9	1	4	64.9	Various.	S.E.	2			30 51	69	58	57		b	nne		0	
10	Moored			S by E.	"	1			30 52	69	67	63		"	"		0	
11				South	South	1			30 52	71	65	64		"	"		0	
Noon.				"	"	1			30 51	70	65	63		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For'd Abft.
Longitude by ° ′ ″ 73 72-69

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 90 miles.

Distance by Log since preceding noon: 85.6 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 26 00 "

Coal consumed during the preceding 24 hours, 8 tons, 1840 lbs.

Coal remaining on hand at noon, 147 " 846 "

P. M.	Moored																	
1				South.	S.W.	2			30 48	67	63	62		b	nne		0	
2				"	"	1			30 48	67	60	59		"	"		0	
3				"	"	1			30 46	68	58	57		"	"		0	
4				S.S.W.	"	1			30 45	66	56	55		"	"		0	
5				West	Calm.	0			30 44	64	56	55		br	cu		1	
6				N.N.W	N.N.W	1			30 45	68	56	54		b	nne		0	
7				W. x N.	Calm.	0			30 46	68	55	54		"	"		0	
8				"	"	0			30 46	68	55	54		bm.	"		0	
9				S.W.	"	0			30 47	67	54	54		bw.	"		0	
10				"	"	0			30 45	63	53	53		"	"		0	
11				"	"	0			30 45	61	52	52		"	"		0	
Mid.				"	"	0			30 45	62	52	52		"	"		0	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Friday, Novembe 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool Light breezes and airs from N.W. Steaming under two boilers. Course W.S.W. ½ W. (P.S.C.). At 12:50 Cape Maurizio Lt bore on starboard beam distant 6.9 miles, and then the course was changed to W. ½ S. (P.S.C.). At 3:15 San Remo was abeam on starboard hand. At 3:50 sighted Cape Ferrat Lt bearing W.N.W. ½ W. (P.S.C.). At 1:00 set clock back 15 minutes Steam 58. Revs. 264.

Chas. Fahs
Lieut., U.S.N.

4. to 8. A.M.

Clear and fine. Light airs from N.W. Under steam on Boilers B & D at slow speed on course W. ½ S. till 6:00 when changed course to N.W. by W. ½ W. p.l. reading 55.5. At 8:00 changed course to N.W. ½ W. p.l. 63.5. At 5:00 sighted Carrolippe Light bearing W. ½ N. Av steam 53. Av revs 25.4 Between 5 and 6 set clock back 30 minutes.

J. P. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Light S. & W'ly to South'ly breezes and airs. Standing into harbor of Villefranche. At 8:10 took in log reading 64.9 at Cape Ferrat. At 8:25 fired a salute of 21 guns, French flag at the main, which was returned by the citadel with same number. At 9:10 picked up moorings at buoy #9. Allowed fires to die out under "B" and "C" boilers. Commenced distilling at 9:45 using boiler "D". Draft for'd 14', aft 17'. Loosed sail to dry at 11:00. By order of the Commanding Officer placed A. B. Cooper, M. Att., in solitary confinement on bread and water for 5 days, for neglecting his work and using threatening language to wardroom steward; and released from confinement T. Donovan, H.D. Hinds, and A. Brittain, Ab. 3 C., their terms having expired. Cleaned and disinfected bilges. Made weekly test and inspection of flood cocks and magazines and found them in good condition. Making monthly issue of clothing and small stores to crew.

Ralph Earle, Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Light S.W. breezes and airs. At 3:30 furled sail and unbent it. The Commander renewed this date the acting appointment of F.W. Clark as Carpenters Mate 3rd Class. Distilling.

Chas. Fahs
Lieut, U.S.N.

4. to 8. P.M.

Clear and pleasant. Calms and light N.W. by W'ly airs. Barometer rose slightly. B. F. Snyder, A. B. 3 C., was placed in double irons for safe keeping.

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Calm. At 10:00 stopped distilling.

Chas. Fahs
Lieut., U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieut. Navigator.

4–265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Ville Franche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, each in tenth.	State of the Sea.
A. M.																		
1	Moored.			W. x S.	N. N. W.	1			30 44	63	55	54		bw	Nme		0	
2				"	"	1			30 44	65	54	53		bcw	Scu		1	
3				"	"	1			30 44	68	54	53		"	"		1	
4				"	"	1			30 44	68	53	53		"	"		1	
5				W. S. W.	"	1			30 43	67	55	53		"	"		1	
6				S x W.	N by E.	1			30 43	69	55	53		bc	"		1	
7				East	"	1			30 45	68	55	54		"	"		1	
8				E x S.	"	1			30 45	68	58	56		"	"		1	
9				S. E.	East	1			30 46	68	62	60		"	"		1	
10				S. E. x S	S. E. x E.	1			30 47	68	65	6		"	"		1	
11				"	"	1			30 47	66	68	64		"	"		1	
Noon.				S. S. E.	S. E. x S	1			30 45	65	65	6		b	Nme		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For Aft

Longitude by ° ′ ″ 73— 68-68

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 1 tons, 240 lbs.

Coal remaining on hand at noon, 146 " 606 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, each in tenth.	State of the Sea.
P. M.																		
1	Moored			S. E.	S. E.	1			30 45	67	66	62		b	Nme		0	
2				South.	"	1			30 44	67	66	62		"	"		0	
3				"	"	1			30 44	67	66	62		"	"		0	
4				S W.	Calm	0			30 45	70	62	60		"	"		0	
5				W x N	S W.	1			30 45	65	57	57		bw	"		0	
6				"	"	1			30 46	64	56	56		"	"		0	
7				"	Calm	0			30 46	63	55	55		"	"		0	
8				W x S.	"	0			30 46	62	58	58		"	"		0	
9				West	West	1			30 46	61	54	54		"	"		0	
10				N. W x W	N W	1			30 46	58	54	53		"	"		0	
11				West.	Calm	0			30 46	61	54	53		bcw	ci		2	
Mid.				"	"	0			30 47	60	54	53		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, November 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Moonlight. Light N. N. W. airs. Barometer steady.

Ogsbury
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light N N W and N by E & E airs. Released B. F. Snyder, A.S.C., from confinement. At sunrise half masted colors as a mark of respect to the memory of the late Commodore E H Perkins, U.S. Navy.

Ripley S. Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light airs from East to S E & by S. General field day going on. By order of the Commander released J Holmes (A.S.C.) from confinement.

D. McFarland
Lieut, U.S.N.

Meridian to 4 P.M.

Clear, fine weather. Light S E airs and calms. Barometer steady. The Captain called on the Mayor of Villefranche and the officer commanding the troops.

Ogsbury
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light S W airs first half, calm latter half. At 4:06 went to Fire Quarters, all divisions ready in 3½ minutes. Secured in 3 minutes. At sunset B. F. Snyder (A.S.C.) was placed in double irons for safe keeping.

D. McFarland Lieut, U.S.N.

8 P.M. to Midnight.

Clear, beautiful night. Light variable airs and calms. Barometer steady.

Ogsbury
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator.

4—965

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Across.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	Moored			West.	Calm.	0			30 48	61	53	53		bcw	Fr. cu		3	
2				"	"	0			30 48	62	53	53		"	"		6	
3				"	"	0			30 49	61	53	53		"	"		3	
4				"	"	0			30 49	61	53	53		"	"		3	
5				N. N. W.	N. N. W.	1			30 48	65	59	52		"	a. cu		1	
6				North	"	1			30 51	67	53	52		"	"		1	
7				N. W. by N.	"	1			30 53	65	54	53		bc.	"		2	
8				E. by S.	"	1			30 55	67	63	60		"	ci.		1	
9				S. E.	East.	1			30 57	67	64	61		b.	mre		0	
10				"	"	1			30 57	65	64	61		"	"		0	
11				"	"	1			30 57	65	65	62		"	"		0	
Noon.				"	"	1			30 58	65	65	62		"	"		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.

Longitude by ° ′ ″ 72— 68-67

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 8-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 145 " 1726 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Across.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	Moored.			South	S. S. E.	1			30 57	76	71	66		bc	Fr. cu		1	
2				"	South	1			30 57	75	73	67		"	"		1	
3				"	S. S. E.	1			30 57	74	71	67		"	"		1	
4				"	"	1			30 57	72	69	67		"	a. cu		3	
5				W by N.	Calm.	0			30 57	71	68	68		"	"		4	
6				"	"	0			30 57	66	55	54		"	"		5	
7				"	"	0			30 56	65	56	55		"	"		5	
8				W. N. W.	"	0			30 56	65	56	55		"	"		5	
9				N. W. by N.	N. N. W.	1			30 56	63	58	56		"	"		7	
10				N. W.	"	1			30 56	64	67	56		"	"		3	
11				North	North	3			30 56	62	57	55		"	"		1	
Mid.				"	"	3			30 56	61	57	55		"	"		1	

4—45

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, November 26th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM

Fair and cool. Damp. Calm. Barometer steady.

W. H. Hamon
Ensign, USN.

4 to 8 AM.

Fair and pleasant. Light N. N. W. airs. At all hands B. F. Snyder (A 3 C) was released from confinement.

C. McFarland
Lieut, USN.

8 AM. to Meridian.

Clear and pleasant. Light airs from East. Barometer rising slightly. Received in Pay Department following fresh provisions for issue to the crew: 1500 lbs of fresh bread, 1985 lbs each of beef and vegetables. The Captain assigned the following punishment: H. L. Sherwood (A 3 C), Disobedience of orders, 2nd Class. The Colonel Commanding the troops at Villefranche called on the Captain. At 9:30 mustered at quarters, no absentees. After muster the Captain inspected the ship with the crew at quarters. The Chaplain held divine service on board after quarters.

Officer of the Deck
Ensign, USN.

Meridian to 4 PM.

Clear and pleasant. Light airs from S. S. E. and South. Barometer steady. Received in the Department of Supplies and Accounts the following fresh provisions:- 189 lbs. bread, 1985 lbs. meat, 1985 lbs. vegetables. Rove off fore and main top gallant mast ropes.

W. H. Hamon
Ensign, USN.

4 to 8 PM.

Fair and pleasant. Damp. Light S. E. airs and calms. Barometer steady. B. F. Snyder (A 3 C) was placed in double irons for the night for safe keeping at sunset. Steamer came into port about 7:50.

Officer of the Deck
Ensign, USN.

8 PM. to Midnight.

Clear and pleasant. Light airs from N. N. W. increasing to gentle breezes from North. Barometer steady.

W. H. Hamon
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Lieut Navigator

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motions, forms.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1	Moored			N.W. by N.	North	2-3			30 56	59	57	54		b.	nme		0	
2				"	"	2			30 55	58	57	54		bc	cu.		2	
3				W. N. W.	"	2			30 55	59	55	53		"	"		2	
4				"	"	1-2			30 54	59	56	53		"	"		3	
5				"	Calm.	0			30 54	59	56	53		"	"		2	
6				N. W.	"	0			30 55	62	56	53		"	"		2	
7				"	N. W.	1			30 56	63	54	54		"	"		2	
8				"	"	1			30 56	64	55	55		"	"		2	
9				W. N. W.	"	1			30 56	64	58	56		b	nme		0	
10				N. W.	"	1			30 56	65	60	57		"	"		0	
11				N. W by W.	Calm.	0			30 56	67	63	60		"	"		0	
Noon.				"	"	0			30 55	69	66	61		"	"		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 73– 69-68

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 145 " 606 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motions, forms.	CLOUDS. Amount, each kind.	State of the Sea.
P. M.																		
1				S. W.	S. W.	2			30 55	69	67	62		b	none		0	
2				"	"	2			30 55	68	67	62		"	"		0	
3				"	"	2			30 54	68	55	60		"	"		0	
4				"	"	2			30 53	66	53	59		"	"		0	
5				West.	Calm	0			30 53	65	58	56		"	"		0	
6				N. N. W.	N. N. W	1			30 53	63	56	54		"	"		0	
7				"	N. N. E.	1			30 53	63	55	54		"	"		0	
8				"	Calm	0			30 53	63	55	54		"	"		0	
9				"	N. N. E	2			30 53	63	54	54		bw	"		0	
10				"	N. N. W.	2			30 53	63	53	53		"	"		0	
11				"	"	2			30 54	64	53	53		"	"		0	
Mid.				"	"	2			30 54	64	53	53		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, November 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Cold last half. Light to gentle breeze from North. Moon rose at 1:25.

H. E. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Calms and light airs from North and N.W. Barometer rising. At 5:30 released B. F. Snyder (A.B.C) from confinement. Small steam yacht left into the harbor. Crossed topgallant and royal yards. Rigged out sealing launch.

Officer of the Deck
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs from N.W. first part, then calm. Barometer high and steady. At 9:00 released C. F. Reiff (A.B.C.) his term of confinement having expired. About 9:07½ called all hands clear ship for action (ready in 14½ minutes), then at 9:22 sounded the call to General Quarters. The divisions reported ready as follows: Powder, 2 minutes; 1st, 3¼ minutes; 5th, 3½ minutes; 2nd, 4 minutes; 3d, 4¾ minutes; Navigators and 4th, 5 minutes. Secured at 9:45, time taken, 5 minutes. No absentees at 9:30. Scraped and sand papered fore and main topgallant masts and yard arms of flight yards. Sent an Officer to Nice for U.S. Consul, who came on board about 11:00, he was received with the customary honors and on his departure a salute of 7 guns was fired in his honor, American flag at the fore. Punishment awarded by the Commanding Officer: P.O. J. Kaminsky (A.B.C), having another boys shoes in his possession, 3 days solitary confinement on bread and water.

W. J. Marion
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light breeze from S.W. Barometer steady then falling. At 2:00 fitted fore and main topgallant masts. At 3:30 mustered at quarters and served out clean hammocks. Delivered to E. W. Whitehead (Cox) Continuous Service Certificate No. 14035.

H. E. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light airs from N.N.W. and N.N.E., and calm. Barometer steady. B. F. Snyder (A.B.C.) was placed in double irons for the night for safe keeping. Shifted hammocks and turned in dirty hammocks.

W. J. Marion
Ensign, U.S.N.

8 P.M. to Midnight

Clear and pleasant. Gentle breeze from N.N.E. and N.N.W. Barometer steady.

H. E. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Lower.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	Moored			N. N. W.	N. N. W.	2			30 52	64	54	53		hz.	Cu.		1	
2				"	"	2			30 53	67	54	53		"	"		1	
3				"	"	2			30 53	69	54	52		"	"		1	
4				"	"	2			30 53	69	54	52		"	"		1	
5				"	"	1			30 53	69	53	52		"	"		1	
6		3		"	"	1			30 53	70	53	52		"	"		2	
7				"	"	1			30 55	71	54	53		"	"		2	
8				"	"	1			30 56	68	56	54		"	ci-cu.		3	
9				N. W.	Calm	0			30 55	69	58	56		"	ci-s		2	
10				"	"	0			30 54	70	58	56		"	"		2	
11				S.W. x W.	S.W.	1			30 55	70	71	67		"	"		2	
Noon.				S.W.	Calm	0			30 55	71	77	71		"	"		1	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 72– 68-64

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, —

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, tons, 1600 lbs.

Coal remaining on hand at noon, 144 " 1246 "

P. M.	Moored																	
1				S.W.	Calm	0			30 55	71	77	71		hz.	a-s.		1	
2				W. S.W.	"	0			30 55	71	77	70		"	"		1	
3				W. x S.	"	0			30 54	70	72	69		h-	mod		0	
4				West	W. S.W.	1			30 53	69	61	60		"	"		0	
5				N. W.	N. W.	2			30 53	67	57	56		hz	"		0	
6				"	"	2			30 54	67	56	56		"	"		0	
7				N. N. W	Calm	0			30 55	66	55	55		"	"		0	
8				"	"	0			30 55	64	54	54		"	"		0	
9				N. W. x N.	"	0			30 52	62	55	54		"	"		0	
10				"	"	0			30 52	62	55	54		"	"		0	
11				N. W.	"	0			30 52	60	55	54		"	"		0	
Mid.				N. x W.	"	0			30 52	60	55	54		"	"		0	

under the command of Commander Frank Coultis , U. S. Navy,

Tuesday, November 28th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light N. N. W'ly breeze. Moon rose at 2.15.

Ralph Earle
Ensign, U.S.N.

4 to 8. A.M.

Clear and pleasant. Light airs from N. N. W. Barometer rising slowly. Released from confinement, B. F. Snyder (A.3.C), at all hands. Scrubbed hammocks and sick bay cot.

W. J. Mamon
Ensign, U.S.N.

8. A.M. to Meridian.

Clear and fine. Calm and light airs from S.W. Barometer steady. Mustered at quarters at 9:30 and exercised boats at Arm and Away and then at fleet tactics under oars making signals from the ship. Boats reported ready as follows:- 2nd Cutter, 4 minutes, 1st Cutter, 6 min., 3rd Cutter, 6½ min., 4th Cutter, 5 minutes, Whale boat, 7½ minutes. Recalled boats at 10.45. Gave ship a list of 5° to starboard by lowering all port boats and scrubbed port boot topping. The Captain awarded punishments as follows: R. G. Berry (A.3.C.) 1 week's extra duty as orderly for being absent from his station while on orderly watch. F. W. Kapp (A.3.C.) 2 hours extra duty for laughing in ranks at drill. C. L. Feede (A.3.C.) 4 hours extra duty for smoking in ranks.

F. F. Eldridge
Ensign, U.S.N.

Meridian to 4. P.M.

Clear and pleasant. Calms and light W. S. W'ly airs. Instructed 5th Division in the lead and compass. At 3 crossed light yards. Lighted fires under boiler "C" for auxiliary purposes at 3:15. The Captain called officially on the Prefect and General Commanding Military Forces. Received in Pay Dept. 159 lbs. fresh bread, and 198 3/16 lbs. each of fresh meat and vegetables. Crew rattling down rigging. At 3.45 went to quarters and turned in & scrubbed hammocks.

Ralph Earle.
Ensign, U.S.N.

4 to 8. P.M.

Clear and fine. Calm and light breeze from N. W. Barometer rising. At 4:30 the Captain returned from making official calls on the Prefect and the General Commanding the Military Forces. At sunset confined B. F. Snyder (A.3.C.) for safe keeping during the night. At 7:30 started distilling for ships tanks. Set fires d.o.t. in Lt. Boiler.

F. F. Eldridge Ensign, U.S.N.

8. P.M. to Midnight.

Clear and cool. Calm.

Ralph Earle.
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lister.
Lieut. Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, as usual.	State of the Sea.
A. M.																		
1	Moored.			N.W.	N.W.	1			30 51	60	54	54		b.w.	mod		0	
2				"		1			30 50	60	54	54		"	"		0	
3				"	Calm.	0			30 50	62	54	54		"	"		0	
4				"	"	0			30 50	62	54	54		"	"		0	
5				"	"	0			30 50	62	54	54		"	"		0	
6				N.W. x N.	N.N.W.	1			30 48	63	54	54		b.	"		0	
7				"		1			30 48	63	54	54		"	"		0	
8				S.E.	Calm	0			30 50	63	56	55		"	"		0	
9				S.S.E	"	0			30 51	65	64	60		"	"		0	
10				"	"	0			30 52	67	64	60		"	"		0	
11				S.S.W.	S.W.	1			30 52	67	65	61		"	"		0	
Noon.				"	"	1			30 52	67	68	64		"	"		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp
Longitude by ° ′ ″ For. Aft.
72— 69-67

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, 1 tons, 1280 lbs.

Coal remaining on hand at noon, 142 " 2206 "

P. M.																		
1	Moored																	
2				S.S.W.	S.S.W.	1			30 49	69	67	63		b.	mod		0	
3				"		1			30 48	69	69	65		"	"		0	
4				S.W.	Calm.	0			30 47	68	69	65		"	"		0	
5				West.	West	1			30 45	66	62	60		"	"		0	
6				"	N.W.	1			30 43	65	60	59		b.w.	"		0	
7				N.N.W.	"	1			30 45	63	55	55		"	"		0	
8				"	"	1			30 46	63	55	55		"	"		0	
9				West	"	1			30 46	63	55	55		"	"		0	
10				W.N.W.	Calm.	0			30 46	64	55	55		"	"		0	
11				S.W.	"	0			30 45	66	53	53		"	"		0	
Mid.				W.N.W.	"	0			30 45	66	53	53		"	"		0	

4-25

under the command of Commander Frank Curtis, U. S. Navy,

Wednesday, November 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Light N.W. airs first part, calm remainder.

C.M. Fahs
Lieut., U.S.N.

4 to 8. A.M.

Clear and fine. Calm and light airs from N.N.W. Scrubbed blankets and mattress covers. At all hands B.F. Snyder (a.3c.) was released from confinement.

H.C. Baldwin
Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Calms and light S.W. by W. airs. At 9:30 mustered at quarters, absentee:- H.J. Dunbar, O.I.C., Held routine divisional drills. Instructed 5th Division in lead and compass. The Commanding Officer assigned the following punishment:- L. Placet, a.3c., spitting on deck from ranks, 2 hours extra duty. By order of the Commanding Officer released A.B. Cooper, M. At., from confinement his term having expired.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light airs from S.S.W. to West. Calm third hour. The Prefect of Nice came on board officially and upon his leaving a salute of 17 guns was fired, with the French Ensign at the fore.

C.M. Fahs
Lieut., U.S.N.

4. to 8. P.M.

Clear and fine. Light airs from N.W. Barometer rising. Received in Pay Dept. for issue 189 lbs bread, 198 ½ lbs. each fresh meat and vegetables. Confined B.F. Snyder (a.3c.) at sunset for safe keeping during the night.

H.C. Baldwin
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and pleasant. Calm. A. Connolly (S.C.2c.) returned on board 5 hours over his liberty.

C.M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

F.F. Fiedler.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,
Moored to buoy, Villefranche

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	Moored			W. x N.	Calm.	0			30 44	64	52	52		b.	nme		0	
2				N. W.	"	0			30 44	63	52	52		"	"		0	
3				"	"	0			30 44	63	52	52		"	"		0	
4				"	"	0			30 44	63	52	52		"	"		0	
5				W. x N.	"	0			30 42	68	53	53		bw	"		0	
6				"	"	0			30 42	68	53	53		"	"		0	
7				"	"	0			30 43	68	54	53		"	"		0	
8				S.S.W.	"	0			30 43	66	57	55		"	"		0	
9				"	"	0			30 44	68	60	57		"	"		0	
10				S.W.	"	0			30 44	71	75	72		"	"		0	
11				"	"	0			30 44	72	75	72		"	"		0	
Noon.				"	S.W.	1			30 44	70	72	70		"	"		0	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temps. For'd Aft.
Longitude by ° ′ ″ 71— 68-67

Position at noon:
Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1250 "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, 1 tons, 1600 lbs.

Coal remaining on hand at noon, 141 " 606 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1	Moored																	
2				S. W.	S. W.	2			30 39	67	69	65		b	nme		0	
3				"	"	2			30 39	67	69	64		"	"		0	
4				"	"	1			30 38	67	68	64		"	"		0	
5				N. W.	N. W.	1			30 37	66	62	61		"	"		0	
6				"	Calm.	0			30 37	67	58	58		bw	"		0	
7				West	"	0			30 37	67	57	57		"	"		0	
8				South	"	0			30 37	67	56	56		"	"		0	
9				S. W.	"	0			30 37	67	55	55		"	"		0	
10				W. S. W	"	0			30 36	66	54	54		"	"		0	
11				"	"	0			30 36	63	53	53		"	"		0	
Mid.				"	"	0			30 36	62	53	53		"	"		0	

under the command of Commander Frank Courtis, , U. S. Navy,

Thursday, November 30th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calm.

Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Calm. Moon rose at 4:30. J. J. Dunkan, F.I.C., returned from liberty 24 hours overtime. Released B. F. Snyder, A.S.C., from confinement.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Calm first three hours, light S.W. airs remainder. By order of the Commander released from confinement P.O. Kaminecky (App. S.C.). H. Pedersen (Bm. 1c) absent without leave. The Major-General Commanding the Forces on shore called officially and upon leaving was saluted with 13 guns, French Ensign, at the fore. Boat race was held between crews of apprentices.

C. M. Fahs
Lieut., U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light variable airs and breezes. Held sports between the boys.

Ensign, U.S.N.

4 to 8 P.M.

Clear and calm. By order of the Commander B. F. Snyder (App. S.C.) was confined in double irons for the night for safe keeping.

C. M. Fahs
Lieut., U.S.N.

8 P.M. to Midnight.

Clear and cool. Calm. Barometer steady.

Ensign, U.S.N.

APPROVED

Frank Courtis

COM'D'R., U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Lopez.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranca.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hael.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sketch 13.	State of the Sea.
A. M.																		
1	Moored			W. N. W.	Calm.	0			30 33	61	53	53		bw	mne		0	
2				S. W.	"	0			30 33	61	53	53		"	"		0	
3				"	"	0			30 33	62	53	53		"	"		0	
4				W. S. W.	"	0			30 33	63	53	53		"	"		0	
5				West	"	0			30 33	63	53	53		"	"		0	
6				"	"	0			30 33	65	53	53		"	"		0	
7				W. x S.	"	0			30 33	65	54	53		b.	"		0	
8				West	"	0			30 33	65	54	54		bc.	ci.		1	
9				South	"	0			30 35	73	68	66		"	"		1	
10				S. S. W.	"	0			30 36	73	71	69		"	"		1	
11					"	0			30 36	72	74	70		"	"		1	
Noon.				S. S. E.	S. E.	1			30 35	72	72	67		"	"		1	

Position at 8 A. M. { Latitude by ° ' " Mag. Comp
Longitude by ° ' " Var Aft.
72 - 23-65

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 720 lbs.

Coal remaining on hand at noon, 139 " 2126 "

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hael.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sketch 13.	State of the Sea.
P. M.	Moored																	
1				East.	Calm.	0			30 34	73	72	67		bc.	ci.		1	
2				S. S. W.	"	0			30 33	74	70	64		"	"		3	
3				W. S. W.	"	0			30 32	74	67	64		"	"		2	
4				W. x S.	"	0			30 32	70	65	63		"	"		3	
5				N. W.	"	0			30 24	58	57	64		"	"		2	
6				N. N. E.	"	0			30 26	64	56	56		"	"		1	
7				N. W.	"	0			30 27	64	56	55		"	"		1	
8				"	"	0			30 29	64	57	56		bw	mne		0	
9				E by N.	"	0			30 29	63	56	56		"	"		0	
10				East.	"	0			30 28	62	55	55		"	"		0	
11				South	"	0			30 28	63	54	54		"	"		0	
Mid.				"	"	0			30 28	63	54	54		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, December 1st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant, with heavy dew. Calm. Barometer steady. At 1:45 shut down distiller tanks being full.

W. J. Manion,
Ensign, U.S.N.

4. to 8. A.M.

Clear and calm. By order of the Commander B. F. Snyder (App 3c.) was released from confinement. Commenced tarring down.

C. M. Fake
Lieut., U.S.N.

8. A.M. to Meridian.

Clear beautiful weather. Calm and light S.E. airs. Barometer steady. Tarring down. Absentees: H. Pedersen (B.M. 1.C.) and J. Christensen (Sea.) Made weekly test of magazine flood and drain cocks and found them in good order. Cleaned and disinfected bilges. Two French torpedo boats came into the harbor and left immediately. The Captain assigned the following punishments: J. J. Dunlan (B. 1.C.) 24 hours over liberty and tight, 4th Class. E. Conelley (S.C. 2.C.) 5 hours over leave and tight, 2nd Class. J. Pierce (M. At.) 2 hours over leave and tight, 2nd Class. J. Holmes (A. 3.C.) using insulting language to a Gunners Mate, 3 days solitary confinement on bread and water. Rove off new wheel ropes.

W. J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Calm. Barometer falling slowly. J. Christensen (Sea.) returned on board at 1:35, being 6 hrs. and 35 minutes over liberty, clean and tight. Tested wheel ropes and found them working well. Finished tarring down about 2:30. Finished cleaning starboard copper. Received in the Department of Supplies and Accounts the following fresh provisions: 159 lbs. bread, 198¾ lbs. meat and 198¾ lbs. vegetables. The French torpedo boats "Sarrantigia" and "Coureur" came in about 2:30 and went out again.

W. J. Manion
Ensign, U.S.N.

4. to 8. P.M.

Clear and pleasant. Calm. Barometer falling first hour, rising rest of watch. P.C. Franks (A. 3.C.) returned from liberty under the influence of liquor and by order of the Commanding Officer was placed in double irons to sober up. At sunset B. F. Snyder (A. 3.C.) was placed in double irons for safe keeping.

W. J. Manion
Ensign, U.S.N.

8. P.M. to Midnight.

Fair and pleasant, with heavy dew. Calm. Barometer steady.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

E. F. Lau[illegible]
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Ther.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sometenths.	State of the Sea.
A. M.																		
1	Moored.			W. by N.	Calm.	0			30.24	64	53	53		bw	Nme		0	
2				W. by N. W.	"	0			30.24	62	53	53		"	"		0	
3				"	"	0			30.23	60	53	53		"	"		0	
4				"	W. N. W.	1			30.22	60	53	53		"	"		0	
5				"	Calm.	0			30.22	60	53	53		"	"		0	
6				"	"	0			30.20	62	54	53		bc	Scu		2	
7				N. W. by N.	"	0			30.20	62	54	53		"	"		2	
8				N. by E.	"	0			30.19	62	54	53		"	"		6	
9				"	"	0			30.20	66	56	54		"	ci-cu		4	
10				West.	West.	2			30.20	68	62	60		"	"		7	
11				"	"	2			30.19	69	65	62		"	"		7	
Noon.				W. S. W.	"	3			30.17	67	65	61		"	cu-n		8	

Position at 8 A. M. { Latitude by ° ' " Mag Temp.
Longitude by ° ' " For. Alt.

Position at noon: { Latitude by observation ° ' " 73— 68-67
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 139 " 1006 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air by Ther.	TEMPERATURE. Air by Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sometenths.	State of the Sea.
P. M.	Moored																	
1				S.W.	W. S. W.	2			30.14	66	65			bc	ci		5	
2				W. S. W.	"	2			30.13	69	65			"	"		2	
3				"	West.	1			30.12	71	64			"	"		1	
4				West	Calm.	0			30.12	67	60			"	"		1	
5				"	"	0			30.12	66	56			bw	"		1	
6				"	"	0			30.12	66	56			"	"		1	
7				S.W. by W.	"	0			30.12	66	56			"	"		1	
8				"	"	0			30.12	66	54			bw	Nme		0	
9				N. W.	"	0			30.10	64	54			"	"		0	
10				W. N. W.	"	0			30.10	62	53			"	"		0	
11				West.	"	0			30.10	60	53			"	"		0	
Mid.				W. N. W.	"	0			30.11	57	53			"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,
Saturday, December 2nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and fine. Calm and light airs from W.N.W.
Heavy dew.
H. R. Baldwin Ensign, USN.

4 to 8 A.M.
Clear and pleasant. Calm. Barometer falling slightly. Released from confinement P.C. Franks (A.3.C.) he having sobered up, and B.G. Snyder (A.3.C.)
A. Jas. Allen
Ensign, USN.

8 A.M. to Meridian.
Fair and pleasant. Calm to light and gentle breezes from West. Barometer falling slowly. Absentees at 9:30 A. Pedersen (B.M.1.C.), E.G. McManus (G.1.C.), and E.L. Robbins (C.P.). At 9:00 released by order of the Commanding Officer, E.L. Royal (A.3.C.), J.A. Bunel (A.3.C.) and T.G. Hellings (A.3.C.) their terms of confinement having expired. Punishments awarded by the Commanding Officer: H.C. Hines (A.3.C.) using threatening language to Master-at-Arms and interfering with him in the discharge of his duty - 5 days solitary confinement on bread and water; C.L. Ampblett (A.3.C.) habitually shirking - 3 days in double irons; J. Christensen (Sea.) 6½ hours over leave and fight - reduced to 2nd Conduct Class.
W.J. Marion.
Ensign, USN.

Meridian to 4 P.M.
Clear and fine. Light airs from West and light breezes from W.S.W. Barometer falling slowly. Received in Pay Dept. for issue 198 lbs. bread, 198¾ lbs. each fresh beef and vegetables.
H. R. Baldwin Ensign, USN.

4 to 8 P.M.
Fair and pleasant, with heavy dew. Calm. Barometer steady. At 6:00 placed in double irons for the night for safe keeping E.L. Royal (A.3.C.) J.A. Bunel (A.3.C.) T.G. Hellings (A.3.C.), and B.G. Snyder (A.3.C.). At 4:05 A. Pedersen (B.M.1.C.) returned on board clean and drunk being 57 hours and 55 minutes over liberty. By order of the Commanding Officer A. Pedersen (B.M.1.C.) was placed in single irons for safe keeping until sober.
W.J. Marion,
Ensign, USN.

8 P.M. to Midnight.
Clear and fine. Calm. Barometer steady. Heavy dew.
H. R. Baldwin Ensign, USN.

Examined and found to be correct.

E. F. Leyer.
Asst. Navigator.

4-25

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, universal.	State of the Sea.
A. M.																		
1	Moored			N W	N W	2			30 12	60	54	54		bw	mne		0	
2				S W	Calm	0			30 12	62	54	54		"	"		0	
3				W S W	"	0			30 12	66	54	54		"	"		0	
4				"	"	0			30 12	68	57	54		"	"		0	
5				"	"	0			30 13	66	54	54		"	"		0	
6				S by W	"	0			30 14	66	55	54		bc	ci-cu		3	
7				"	"	0			30 15	66	55	54		"	"		3	
8				S W	N E by E	1			30 17	68	57	54		"	"		3	
9				S S W	Calm	0			30 20	68	55	54		"	"		3	
10				S by E	"	0			30 20	74	62	60		"	"		3	
11				S S E	"	0			30 24	75	67	63		"	"		3	
Noon.				"	"	0			30 24	75	67	63		"	"		1	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp Aft
Longitude by ° ′ ″ for J 72— 68-68

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, —— "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 138 " 2126 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, universal.	State of the Sea.
P. M.	Moored																	
1				S W	W S W	1			30 25	75	71	67		bc	ci.		1	
2				"	"	1			30 25	75	74	67		"	"		1	
3				"	"	1			30 25	74	74	67		b.	mne		0	
4				W by S	"	1			30 26	68	73	60		bc	ci.		1	
5				S S W	Calm	0			30 26	68	56	55		bw	mne		0	
6				South	"	0			30 27	66	55	54		"	"		0	
7				S W	"	0			30 28	66	54	53		"	"		0	
8				West	"	0			30 29	64	54	53		"	"		0	
9				S S W	"	0			30 30	62	52	52		"	"		0	
10				S W	"	0			30 32	62	52	52		"	"		0	
11				"	"	0			30 33	61	51	51		"	"		0	
Mid.				"	"	0			30 35	61	51	51		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, December 3rd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light N. W'ly breeze first hour, calm remainder.

Ralph Earle
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Calm and light airs from N. & by E. Barometer rising. About 5:30 released from confinement E. M. Royal (A.S.C.), A. Bunel (A.S.C.), P. F. Hellings (A.S.C.), and B. F. Snyder (A.S.C.), and A. Pedersen (B.M. 1.C.), he having sobered up.

W. J. Marion
Ensign, USN.

8 A.M. to Meridian.

Clear and fine. Calm. Barometer rising. At 9:15 inspected all divisions at quarters. And at 9:30 called all hands to muster. Published "Articles for the better government of the Navy" and held General Muster. Absentees: E. F. McManus (G.I.C.), T. Ahearn (C.P.), and C. L. Robbins (C.P.). Sent liberty party of boys ashore at 10:00. Chaplain held Divine Service.

L. R. Eliot
Ensign, USN.

Meridian to 4 P.M.

Clear and pleasant. Light W.S.W. 'ly airs. Received in Pay Deptt., 159 lbs fresh bread, and 198¾ lbs. each of fresh meat and vegetables.

Ralph Earle
Ensign, USN.

4 to 8 P.M.

Clear and fine. Calm. Barometer rising. Crew commenced to fall at 4 P.M. At 5:00 E. M. Royal (A.S.C.), A. Bunel (A.S.C.), P. F. Hellings (A.S.C.) and B. F. Snyder (A.S.C.) were confined in double irons for safe keeping during the night.

L. R. Eliot
Ensign, USN.

8 P.M. to Midnight.

Clear and cool. Calm.

Ralph Earle
Ensign, USN.

Examined and found to be correct.

C. F. Lester
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each 10th.	State of the Sea.
A. M.																		
1	Moored			West	Calm.	0			30 33	60	52	51		bw	Cme		0	
2				SSW	"	0			30 34	60	52	51		"	"		0	
3				East	"	0			30 34	60	54	52		b	"		0	
4				S by E	"	0			30 35	61	56	53		"	"		0	
5				S by E	"	0			30 35	61	55	54		"	"		0	
6				"	"	0			30 38	61	55	54		bc	cu		0	
7				N E	"	0			30 40	61	55	54		"	"		1	
8				East	"	0			30 44	68	59	64		"	"		1	
9				"	East	2			30 46	67	60	56		"	cis		3	
10				"	"	2			30 47	70	62	57		"	"		3	
11				"	"	2			30 48	71	63	59		"	"		3	
Noon.				"	"	2			30 48	74	63	59		"	"		4	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp.
Longitude by ° ' " For. Aft.
72- 76-71

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water during the preceding 24 hours, 11 5 "

Water remaining on hand fit for use at noon, 1150 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 135 " 1006 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each 10th.	State of the Sea.
P. M.	Moored																	
1				East	East	2			30 48	74	63	59		bc	cis		4	
2				"	"	1			30 48	75	63	59		"	"		3	
3				SSE	SE	1			30 47	78	62	58		"	cicu		1	
4				"	"	1			30 46	74	59	56		"	"		1	
5				NW	NNW	1			30 45	66	56	56		"	"		2	
6				"	"	2			30 44	66	55	55		b	Cme		0	
7				"	"	2			30 44	66	55	55		"	"		0	
8				"	"	2			30 44	66	55	55		"	"		0	
9				"	"	2			30 44	63	54	54		"	"		0	
10				"	"	2			30 44	60	54	54		"	"		0	
11				West	NW	2			30 44	60	55	54		"	"		0	
Mid.				"	"	2			30 44	59	55	54		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, December 4th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.
Clear and calm.

C.W. Fahs
Lieut, U.S.N.

4 to 8. A.M.
Clear and pleasant. Calm. Barometer rising. At 5:30 O.D. Royal (a.s.c), A. Bunel (a.s.c), P.F. Hellings (a.s.c), and B.F. Snyder (a.s.c) were released from confinement.

F.L. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.
Fair and pleasant. Light East by breezes. At 9:30 mustered at quarters, absentees:- E.F. McManus, F.1.c, F.L. Robins C.P, T. Ahearn, C.P, G.C. Mollison, A.s.c, R. Perino, A.s.c, and C.D. Mullen, A.s.c. Held routine divisional drills. The Commanding Officer, assigned the following punishments:- M.J. Geter, A.s.c, slow in obeying orders, 4 hours extra duty; A. Pedersen, B.M.1.c, 5 7½ hours over leave and drunk 4th Class and A.J. Meeks, Fds, dirty at quarters, 3d Class. By order of the Commanding Officer released J. Holmes, A.s.c, from confinement his term having expired; and placed P.C. Franks, A.s.c, in solitary confinement for 5 days on bread and water, for returning from liberty tight and disobedience of orders. Blacked side of ship. Overhauled both bower Chains. The French torpedo boats "Courcy" and "Barrain" came in and moored at the arsenal. The American yacht "Calanthe" left the harbor.

Ralph Earle
Ensign, U.S.N.

Meridian to 4. P.M.
Fair and cool. Light breezes and airs from East, to S.E. Received in Pay Dept for the crew fresh provisions as follows: 159 lbs. bread, 198¾ lbs. vegetables, and 198¾ lbs of meat. Overhauled the guns of the main battery.

C.W. Fahs
Lieut, U.S.N.

4. to 8. P.M.
Clear and cool. Light N.N.W. ly airs and breezes. Placed A. Bunel, B.F. Snyder, P.F. Hellings, and O.D. Royal, a.s.c, in double irons for the night.

Ralph Earle
Ensign, U.S.N.

8. P.M. to Midnight.
Clear and cool. Light breeze from N.N.W. to N.W.

C.W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E.F. Leo for.
Lieut Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	Moored			N.W.	W.N.W	2			30.33	57	54	53		b	me		0	
2				"	"	3			30.32	58	54	53		"	"		0	
3				"	"	3			30.31	59	54	53		"	"		0	
4				South	"	1			30.29	60	54	53		"	"		0	
5				SW.	N.N.W.	1			30.26	61	54	53		"	"		0	
6				"	"	1			30.24	61	53	53		b.c	cu		7	
7				W by S.	"	1			30.22	64	52	52		"	"		7	
8				S.W.	"	1			30.20	63	53	50		"	"		7	
9				SSE.	E.S.E.	2			30.20	64	54	54		"	cu.n.		7	
10				"	"	2			30.19	66	60	60		"	"		7	
11				S. by E.	"	2			30.18	69	66	65		"	"		7	
Noon.				"	"	2			30.15	70	68	67		"	cu		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Abs.
Longitude by ° ′ ″ 73- 63-68

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 20350 "

Coal consumed during the preceding 24 hours, 1 tons, 1840 lbs.

Coal remaining on hand at noon, 186 " 1406 "

Hour.																		
P. M.																		
1	Moored			SSE.	E.S.E.	2			30.11	68	61	58		b.c	ci-cu		8	
2				E.S.E.	East	2			30.09	67	60	58		"	"		5	
3				"	E.S.E.	3-4			30.09	66	59	56		"	"		7	
4				East.	East.	3			30.08	66	58	56		"	"		6	
5				SE	"	2			30.08	64	56	56		"	"		5	
6				"	"	2			30.09	64	56	56		"	"		5	
7				E by E.	"	2			30.09	64	56	55		"	"		4	
8				N.W.	N.W.	2			30.09	64	56	56		"	ci		2	
9				W.S.W.	Calm.	0			30.08	65	55	55		b.w	me		0	
10				"	"	0			30.09	66	54	54		"	"		0	
11				SW.	"	0			30.09	64	55	54		"	"		0	
Mid.				N.N.W.	"	0			30.09	64	55	54		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, December 5th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Light airs to gentle breeze from W. N. W. Barometer falling.

Ensign, U.S.N.

4 to 8 A.M. Cloudy to fair and pleasant. Light N. N. W. ly airs. Released B. F. Snyder, P.O. Wellings, E. L. Royal and A. Bunel, A.S.C., from confinement. G. C. Mollison, A.B.C., returned from Liberty 3 hours overtime.

Ensign, U.S.N.

8 A.M. to Meridian. Cloudy and pleasant. Light E.S.E. breeze. At 9:30 inspected at quarters and exercised at divisional drills as per routine. Absent over leave E. F. McManus, (G.I.C.), F. L. Robbins, (C.P.), T. Ahearn (C.P.), C. D. Mullen (App. S.C.), and R. Perino (App. S.C.). Crew engaged at painting spars. Overhauled the main battery gins. A reward of $10 each was offered for the apprehension and delivery on board of the above named absentees.

Lieut., U.S.N.

Meridian to 4 P.M. Cloudy and pleasant. Light to moderate breeze from East, and E.S.E. Barometer falling. Painting spars, and boat davits. E. F. McManus (G.I.C.) & F. L. Robbins (C.P.) returned from Liberty 78½ hours overtime, and T. Ahearn (C.P.) 54½ hours overtime. Took in slack of wheel ropes. Received the following fresh provisions for issue to the crew: 159 lbs. of bread, and 1953/4 lbs. each of beef and vegetables. Overhauled 4" battery.

Ensign, U.S.N.

4 to 8 P.M. Cloudy and pleasant. Light breeze from East to N.W. By order of the Commander placed in double irons for the night for safe keeping B. F. Snyder (App. S.C.), P.O. Wellings (App. S.C.), E. L. Royal (App. S.C.), and A. Bunel (App. S.C.).

Lieut., U.S.N.

8 P.M. to Midnight. Clear. Calm and cool. Barometer steady.

Ensign, U.S.N.

Examined and found to be correct.

F. F. Leigh,
Navigator.

Lieut.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	Moored			N.W.	N.W.	1			30.09	62	55	55		b.	mc		0	
2				"	"	1			30.09	63	55	55		"	"		0	
3				"	"	1			30.08	64	55	55		"	"		0	
4				West.	"	1			30.06	65	56	55		"	"		0	
5				N. by W.	"	1			30.04	65	56	55		"	"		0	
6				N.W.	"	1			30.03	64	56	55		bc	ci. cu		4	
7				N.W. by N.	Calm.	0			30.02	62	56	55		"	cu		4	
8				S.W.	"	0			30.01	62	56	55		"	"		6	
9				"	"	0			30.03	67	67	55		bcm	a-st		9	
10				N.W.	N.W.	1			30.02	68	58	57		"	"		9	
11				S.W.	Calm.	0			30.03	71	63	60		"	"		8	
Noon.				"	"	0			30.03	72	67	65		"	"		8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Amp. Longitude by ° ′ ″ Cor. Alt. 72 — 69-68

Position at noon: { Latitude by observation ° ′ ″ Longitude by observation ° ′ ″ Latitude by D. R. ° ′ ″ Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1120 lbs.

Coal remaining on hand at noon, 135 " 256 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.	Moored																	
1				S.W.	N.E.	1			30.01	72	69	66		bc	cu		6	
2				W. S.W.	"	1			29.99	71	68	65		"	ci-cu		6	
3				"	Calm.	0			29.98	70	67	65		"	"		4	
4				"	"	0			29.97	70	64	62		"	"		4	
5				W. by N. W.	"	0			29.95	67	58	58		bcmc	ci.		2	
6				S.W.	"	0			29.95	66	57	57		"	"		1	
7				W. S.W.	"	0			29.95	64	57	57		"	"		1	
8				West	"	0			29.95	64	57	57		"	a-cu		5	
9				N. W.	"	0			29.95	62	55	55		bc	mc		0	
10					"	0			29.95	63	55	55		"	"		0	
11				West.	"	0			29.95	64	54	54		"	"		0	
Mid.				"	"	0			29.95	61	54	54		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, December 6th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and cool. Light airs from N.W. Barometer falling slowly.
W.J. Hanion
Ensign, U.S.N.

4. to 8. A.M.
Clear to cloudy. Light N.W. airs first half, calm latter half. By order of the Commander released from confinement B.F. Snyder (App. s.c.), P.O. Hellings (App. s.c.), E.L. Royal (App. s.c.), and A. Bunel (App. s.c.) At 5:45 stopped daylighting.
E. Thomas
Asst., U.S.N.

8. A.M. to Meridian
Cloudy and pleasant. Light N.W. airs and calms. Barometer steady. At 9:30 mustered at quarters. R. Perno (a.s.c.) and C.D. Mullen (a.s.c.) absent over leave. After muster exercised Divisions as per routine. Several french naval vessels passed the entrance to the harbor standing to the Eastward.
J.H. Klein
Ensign, U.S.N.

Meridian to 4 P.M.
Fair and pleasant. Light airs from N.E. and calm. Barometer falling slowly. A French torpedo boat (Cyclone) came into the harbor and left immediately. Painting ship.
W.J. Hanion
Ensign, U.S.N.

4. to 8. P.M.
Fair and pleasant. Calm. Barometer steady. B.F. Snyder (a.s.c.), P.O. Hellings (a.s.c.), E.L. Royal (a.s.c.) and A. Bunel (a.s.c.) were confined in double irons at sunset for safe keeping during the night.
J.H. Klein
Ensign, U.S.N.

8 P.M. to Midnight.
Fair and cool, with heavy dew. Calm. Barometer steady.
W.J. Hanion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper
Fleet Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	Moored.			N.N.E.	N.N.E.	1			29.91	63	58	57		bcw	s-cu		4	
2				"		1			29.91	64	58	57		"	"		4	
3				"	Calm.	0			29.91	64	58	58		"	a-cu		5	
4				"		0			29.89	64	58	58		"	"		1	
5				N.W.	N.N.W.	1			29.88	64	58	58		"	"		5	
6				N.W. by N.	"	2			29.88	68	58	58		"	"		5	
7				"	"	1			29.87	68	58	57		bc.	"		5	
8				N.W.	"	1			29.86	68	58	57		"	cu.		4	
9				W.N.W.	"	1			29.85	66	60	59		"	a-cu		7	
10				"	"	1			29.85	67	60	59		"	"		7	
11				"	"	1			29.89	70	64	62		"	"		4	
Noon.				W.SW.	W.S.W.	3			29.80	72	66	63		"	"		6	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft. 73— 70-69

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 1120 lbs.

Coal remaining on hand at noon, 134 " 1406 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	Moored			SW. by W.	SW.	1			29.78	72	66	63		bc	a-cu		6	
2				SW.	"	1			29.75	71	63	63		"	"		7	
3				"		1			29.73	71	62	62		"	"		7	
4				"	Calm.	0			29.71	71	61	61		"	"		7	
5				W. by S.	W.N.W.	1			29.71	70	59	59		bcw	"		7	
6				W. by S.		1			29.71	71	58	58		"	"		5	
7				South	Calm.	0			29.69	69	57	57		"	Scu		3	
8				"	"	0			29.69	67	56	56		"	ci.		1	
9				SW.	"	0			29.66	66	56	56		bc	"		2	
10				"	"	0			29.65	66	56	56		"	"		5	
11				E. by S.	East	1			29.64	64	56	56		"	"		7	
Mid.				"	"	1			29.62	63	56	56		bcp.	nim.		8	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, December 7th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Calm and light airs from N.N.E. Barometer falling first hour then steady.

H. R. Baldwin Ensign, U.S.N.

4 to 8. A.M.

Fair and cool. Light N.N.W. airs and breezes. Barometer falling slowly. At all hands B. F. Snyder, T. F. Hellings, E. L. Royal, and A. Bunel (Os. 3.C.) were released from confinement.

H. R. Baldwin Ensign, U.S.N.

8. A.M. to Meridian

Fair and pleasant. Light airs from N.N.W., increasing to gentle breezes from W.S.W. last hour. Barometer falling. At 9.25 called "all hands to muster" and issued permanent appointments as follows: to Joseph E. West as Boatswains Mate, 2d Class, to George A. Case, as Yeoman 2d Class, to Frank N. Clark, as Carpenters Mate 3d Class, and to Julian Delorey as Master-at-Arms 2d Class, all dated Nov 8th, 1899. An acting Appointment as Yeoman 1st Class was issued to George A. Case. At 9:30 mustered at quarters, after which the Divisions were drilled as per routine. Absentees: R. Perino (a.3.C.) and C. L. Mullen (a.3.C.). At 9.00 by order of the Commanding Officer released from confinement and restored to duty A. C. Hines (a.3.C.) and C. L. Amphlett (a.3.C.) their terms of confinement having expired. Punishment awarded by the Commanding Officer, A. Lundgren (a.3.C.), disobedience of orders and using filthy language to a Petty Officer - 5 days solitary confinement on bread and water scraped, sand papered and oiled head booms, shucked spars, painted water line (port side) and hammock cloths.

W. J. Marion Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Barometer still falling. Light airs from S.W. At 1.15 sent out all boats except gig and sailing launch for exercise under oars. The Acting Appointment of E. A. Thornette as a Yeoman 3rd Class was renewed, to date from Nov 30, 1899. R. Perino (a.3.C.) and C. L. Mullen (a.3.C.) returned to the ship 6 days, 21½ hours over liberty. Received in Pay Dept. for issue 159 lbs bread, and 198¾ lbs each fresh meat and vegetables. Finished painting boot-topping and put ship on even keel at 2.00.

H. R. Baldwin Ensign, U.S.N.

4. to 8. P.M.

Fair and pleasant, with heavy dew. Light airs from W.N.W. and calm. Barometer steady. B. F. Snyder (a.3.C.), T. F. Hellings (a.3.C.), E. L. Royal (a.3.C.), and A. Bunel (a.3.C.) were confined in double irons at sunset for safe keeping.

W. J. Marion Ensign, U.S.N.

8. P.M. to Midnight.

Fair and pleasant. Barometer still falling. Calm and light airs from East. Light drizzling rain last hour.

Examined and found to be correct.

H. R. Baldwin Ensign, U.S.N.

E. F. Leafe Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hael.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 0-10.	State of the Sea.
A. M.																		
1	Moored.			S by E.	SSE.	2			29 60	62	58	58		bsp	cu-m		7	
2				"		4			29 58	62	58	58		bsp	"		5	
3				"	East	2			29 57	62	58	58		"	"		3	
4				"	"	2			29 55	62	58	58		bc	ci		2	
5				SSE	"	1			29 53	62	58	57		bcl	cu		2	
6				SW	"	1			29 53	62	57	56		bc	"		2	
7				W by S	Calm.	0			29 53	65	57	56		"	"		1	
8				"	East	0			29 53	66	57	56		"	ci		3	
9				"	"	2			29 53	68	59	68		"	st-m		8	
10				"	"	2			29 53	70	61	60		"	"		8	
11				ESE	"	2			29 53	71	62	61		oc	nm		10	
Noon.				"	ESE	3			29 53	71	60	59		ocp	"		10	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Comp. For Alt.

Longitude by ° ′ ″ 72 — 71 70

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, — lbs.

Coal remaining on hand at noon, 133 " 1406 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Hael.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 0-10.	State of the Sea.
P. M.	Moored																	
1				WSW.	Calm.	0			29 49	70	56	56		ocd	n.		10	
2				"	"	0			29 49	72	57	57		bc	"		9	
3				"	"	0			29 49	72	58	57		"	"		9	
4				"	"	0			29 48	72	57	56		"	ci-cu		6	
5				"	NW.	1			29 46	70	60	60		"	"		7	
6				SW	"	2			29 47	70	58	58		bcl	"		7	
7				NE by N	NNW	2			29 47	63	55	55		"	cu-n		7	
8				"	NNE.	2			29 47	63	56	55		"	"		7	
9				NNE.	"	1-3			29 47	62	58	54		"	"		8	
10				NNE.	"	0-3			29 46	61	58	54		"	"		8	
11				East	NE.	2			29 46	61	58	54		oc	"		10	
Mid.				SW	NNW	1			29 46	62	58	54		bc	cu		9	

under the command of Commander Frank Courtis , U. S. Navy,

Friday, December 8th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy to fair and pleasant. Light to moderate S.S.E. ly breezes first half, light East ly breezes remainder. Barometer falling.

Ralph Earle,
Ensign, U.S.N.

4. to 8. A.M.

Fair and pleasant, lightning during first hour. Light airs from East and calm. Barometer steady. At all hands released from confinement B.F. Snyder (a.s.c), J.J. Hellings (a.s.c), E.L. Royal (a.s.c.), and A. Bunell (a.s.c).

W.F. Mahon
Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Raining after 11:50. Light to gentle breeze from East and E.S.E. Barometer low and steady. At 9:30 sounded to "General Quarters." Divisions reported ready as follows: 5th Divr. 3/4 min., Powder 1/2 min., 2nd 1 min., 3rd 1/4 min., 1st 1/2 min., 4th 1/2 min., Nav 1/2 minutes. Secured at 9:39. All divisions secure in 3 minutes. Mustered at quarters. No absentees. At 10:30 called all hands, sent down light yards, bent all sail except royals, mainsail, and main topmast staysail. Crossed topgallant yards. At 11:00 several French torpedo boats were manoeuvreing in and around the harbor. Tested magazine flood cocks and drains and found them in good condition. Cleaned and disinfected bilges. The Captain awarded punishments as follows: R. Perno (a.s.c) and C.D. Mullen (a.s.c) confined for five days on bread and water for overstaying leave 93 1/2 hours.

F.R. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Overcast to cloudy with light rain first hour. Calm. Barometer fell slightly. Bent main topmast staysail. Three French torpedo boats "Cyclone" "Furban", and "Filibustier" came in and moored at the arsenal, and their Commander called officially on the Captain. Received in Pay Dept. 1059 lbs of fresh bread, 1975 lbs. each fresh meat and vegetables.

Ralph Earle,
Ensign, U.S.N.

4. to 8. P.M.

Fair and pleasant. Barometer low and steady. Light airs to light breezes from N.W. to N.N.W. At 4:00 sounded to fire quarters. Divisions reported ready as follows: 4th, 1/2 min., Nav 1 min., 1st 1 1/2 5 ch/s, Powder 1 3/4, 3rd 2, and 2 minutes. Secured at 4:10.5. All divisions secure in 2 3/4 minutes. Lightning to the Westward after dark. At 6:30, B.F. Snyder (a.s.c), J.J. Hellings (a.s.c), E.L. Royal (a.s.c), and A. Bunell (a.s.c) were confined in double irons for safe keeping.

F.R. Baldwin Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy to overcast. Light to gentle N.N.E. ly to N.E. ly breezes first part, light N.N.W. ly breezes remainder. The moon set about 10:10.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

P.F. Leiper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meeting forms.	CLOUDS. Amount, each 10th.	State of the Sea.
A. M.																		
1	Moored			West	NW.	2			29 47	60	56	55		be	S-cu.		7	
2				NW.	"	2			29 47	60	56	55		"	"		6	
3				"	"	2			29 47	60	57	55		"	"		6	
4				"	"	2			29 47	62	57	55		"	"		6	
5				"	"	2			29 49	62	56	54		"	"		8	
6				"	"	2			29 53	63	55	53		"	"		8	
7				SW by W	"	1			29 56	66	55	54		"	"		8	
8				W by S.	"	1			29 57	65	55	54		"	"		8	
9				NW	E. S. E.	2			29 62	68	57	55		"	"		8	
10				E.S.E.	"	2			29 64	64	55	53		"	"		9	
11				East.	"	3			29 62	64	55	53		"	"		9	
Noon.				"	"	3			29 61	60	54	52		"	"		9	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. Dr. Aft. 73 — 71 70

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 11150 "

Coal consumed during the preceding 24 hours, tons, 1440 lbs.

Coal remaining on hand at noon, 132 " 2206 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meeting forms.	CLOUDS. Amount, each 10th.	State of the Sea.
P. M.																		
1	Moored.			W.N.W.	W.N.W.	3			29 61	64	53	53		ocp.	min.		10	
2				"		3			29 62	66	53	53		"	"		10	
3				"	West.	3			29 64	66	53	53		"	"		10	
4				"	"	3			29 65	67	53	53		"	"		10	
5				"	"	3			29 66	68	51	50		"	"		10	
6				S.E.E.	S.S.E.	1			29 69	62	50	49		o.c.d	"		10	
7				S.E.	East	2			29 71	62	49	48		"	"		10	
8				"	E.S.E.	1			29 73	63	48	47		"	"		10	
9				East.	"	2			29 74	60	46	46		"	"		10	
10				"	"	2			29 74	60	45	46		"	"		10	
11				"	"	2			29 75	60	45	46		"	"		10	
Mid.				"	E.N.E.	3			29 75	59	45	45		"	"		10	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, December 9th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and pleasant. Light N.W. breeze. Barometer steady.

E. M. Fahs
Lieut, U.S.N.

4. to 8. A.M.

Fair and pleasant. Barometer rising rapidly. Light airs to light breezes from N.W. B. F. Snyder, F. F. Hellings, E. D. Royal and A. Bunel (As 3 c) were released from confinement at 5.30.

F. T. Baldwin
Ensign, U.S.N.

8. A.M. to Meridian

Cloudy and cool. Light to gentle S.S.E. ly breezes. At 8.15 loosed sail to dry, and furled it at 11.00. The Captain returned the call of the Commanding Officer of the French torpedo boats. By order of the Commanding Officer released P.C. Franks, A.B.C., from confinement his term having expired. Cleaning ship.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Overcast and cloudy. Chilly weather. Gentle breeze from W.N.W. to West. The Commander renewed the acting appointment of C. R. Jones, (Yeo. 3 C.) for six months from this date. Received on Pay Dept. for the crew fresh provisions as follows: 159 lbs. bread, 195 3/4 lbs. meat, and 195 3/4 lbs. vegetables.

E. M. Fahs
Lieut., U.S.N.

4. to 8. P.M.

Overcast and cloudy with light rain. Light variable airs and breezes. Barometer rising. Placed B. F. Snyder, P.O. Hellings, E. D. Royal, and A. Bunel, As 3 C., in double irons for safe keeping.

Ralph Earle
Ensign, U.S.N.

8. P.M. to Midnight.

Overcast with fine drizzling rain. Gentle and light breezes from S.S.E. and E.N.E.

E. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Villefranche.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount, each 12.	State of the Sea.
A. M.																		
1				Moored	E S E.	E S E.	2		29 74	57	45	45		o c d	m.		10	
2				"	"	"	2-3		29 74	56	45	45		"	"		10	
3				"	"	"	1		29 75	56	44	44		or	"		10	
4				"	N W.	N W.	2		29 75	56	43	43		"	F-m		10	
5				N W by N.	"	"	2		29 75	54	43	43		o c d	"		10	
6				"	"	"	2		29 75	51	42	42		"	"		10	
7				"	"	"	3		29 75	52	42	42		"	"		10	
8				"	"	"	3		29 75	51	43	42		l c	cu.		8	
9				W N W.	"	"	3		29 77	52	44	43		"	S cu		7	
10				"	"	"	2		29 78	53	45	44		"	a cu		7	
11				"	N N W.	W.	2		29 78	53	46	45		"	"		7	
Noon.				W S W.	West.		2		29 79	56	48	46		"	"		7	

Position at 8 A. M. { Latitude by ° ' " Mag. Temp. Alt.
Longitude by ° ' " Sur. Alt.

Position at noon: { Latitude by observation ° ' " 72 70-69
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, tons, 1680 lbs.

Coal remaining on hand at noon, 131 " 536 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount, each 12.	State of the Sea.
P. M.				Moored														
1				S W.	W S W.	2			29 80	50	49	47		l c	a cu		8	
2				S W x W.	"	3			29 80	50	49	47		"	"		8	
3				"	"	3-4			29 81	52	49	47		"	"		7	
4				W by S.	"	3-4			29 82	59	49	47		"	cu-m		7	
5				"	West.	4			29 82	58	47	45		"	"		6	
6				West.	"	3			29 84	59	45	43		"	"		3	
7				"	"	2			29 86	59	43	42		"	"		2	
8				"	"	2			29 87	58	43	42		"	"		4	
9				"	"	2			29 88	56	43	42		"	cu.		4	
10				"	"	3			29 89	56	43	42		"	"		6	
11				S S W.	S W.	2			29 89	56	43	42		"	"		7	
Mid.				"	"	2			29 89	56	43	42		"	S-cu		8	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, December 10th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Overcast and rainy. Cool. Light airs to gentle breeze from S.W. S. and N.W. Barometer steady.

Wm. Lee
Ensign, USN.

4 to 8. A.M.

Overcast, cloudy, and cold, raining first three hours, clearing slightly last hour. Light to gentle N.W. by breeze. Released from confinement B. F. Snyder, P.C. Hellings, S.W. Royal, and A. Bunel, as 3 c., at 5:30.

Ralph Earle
Ensign, USN.

8. A.M. to Meridian

Cloudy and cold. Gentle to light breezes from N.W. to West. The Commander awarded the following punishments: C. L. Beede (App 3 c) slow in obeying orders, reduced to 2nd Class; G. A. Barnes (App 3 c) out of uniform at quarters, 2 hours extra duty. At 10:00 held Divine Service.

Chas. Lahr
Lieut., USN.

Meridian to 4 P.M.

Cloudy and cool. Light to moderate breezes from W. & N.W. Barometer rising slowly. Received in the Pay Dept. the following fresh provisions:- 109 lbs. of bread and 198 3/4 lbs. each of beef and vegetables. Distilling.

Wm. Lee
Ensign, USN.

4. to 8. P.M.

Clear and cool. Heavy clouds to eastward during early part of watch. Pleasant weather. Moderate to light breezes from West. Barometer rising. By order of the Commanding Officer, B. F. Snyder (a 3 c), P.C. Hellings (a 3 c), S.W. Royal (a 3 c.), and A. Bunel (a 3 c) were placed in double irons for safe keeping during the night.

E. F. Leper
Lieut., USN

8. P.M. to Midnight.

Cloudy to overcast and cool. Light to gentle breeze from West and S.W. Barometer rising first hour, steady last three. Moon showing through clouds occasionally. Lightning.

Wm. Lee
Ensign, USN.

Examined and found to be correct.

E. F. Leper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Moored to buoy, Villefranche.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing and Motion.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1	Moored			N. E. by E.	N. E.	3			29 89	54	45	45		o c s	Cm.		10	
2				"	"	3			29 89	54	45	45		o c d	"		10	
3				N. N. E.	"	2			29 89	54	45	45		"	"		10	
4				N. N. W.	"	2			29 89	54	45	45		"	"		10	
5				East	"	2			29 89	55	45	45		"	"		10	
6				E. S. E.	"	2			29 92	55	45	45		"	"		10	
7				"	"	2			29 93	58	45	45		"	"		10	
8				N. E.	"	2			29 93	58	45	43		o c	"		10	
9				E. by N.	E. N. E.	2			29 94	53	45	44		o c d	"		10	
10					"	3			29 95	54	46	44		"	"		10	
11					"	3			29 95	54	47	44		b c	cu-n.		9	
Noon.				E. by S.	"	2			29 94	56	47	44		"	"		9	

Position at 8 A. M. { Latitude by ° ' " Mag Temp. Air
Longitude by ° ' " For Alt
Position at noon: { Latitude by observation ° ' " 71 — 69-68
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2470 "

Coal consumed during the preceding 24 hours, 1 tons, 1200 lbs.

Coal remaining on hand at noon, 129 " 1546 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing and Motion.	CLOUDS. Amount, each kind.	State of the Sea.
P. M.																		
1	Moored			S. E. by E.	E. N. E.	2			29 93	60	48	46		b c	N.		9	
2				E. S. E.		1			29 95	60	49	47		o c	"		10	
3				East	N. E.	1			29 95	63	49	47		"	Cu-n		10	
4				E. S. E.	E. S. E.	3-0			29 95	60	48	46		"	"		10	
5				"	"	3-0			29 96	58	46	45		o c d	"		10	
6				"	"	3-0			29 98	58	45	45		o c p	"		10	
7				N. by W.	N. by W.	2-4			29 99	60	45	45		"	"		10	
8				N. W.		2-3			29 99	52	44	43		b c	"		9	
9					N. W.	2			29 96	50	45	45		b c d	"		8	
10				"	"	2			29 95	48	45	44		"	"		6	
11				"	"	2			29 94	48	45	44		"	Cu.		5	
Mid.				W. N. W.	"	2			29 93	51	44	43		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, December 11th., 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cool. Light falling snow during first hour followed by drizzling rain. Gentle breezes to light airs from N. E. Barometer steady. Distilling.

W. J. Manion
Ensign, USN.

4. to 8. A.M.

Overcast with slight misty rain greater part. Light N. E. breeze. Breaking out the fore hold. Stopped distilling at 5:0. By order of the Commanding Officer, at 5:30 released from confinement B. F. Snyder, (a.3.c.), P.T. Hellings (a.3.c.), E.L. Royal (a.3.c.) and A. Bunel (a.3.c.)

Geo. Fagg
Lieut., USN

8. A.M. to Meridian.

Overcast to cloudy and cool. Light to gentle breeze from E. N. E. Barometer steady. At 9:30 mustered at quarters, absentee: A. Kelly (Sea.). After muster exercised at making and taking in sail, and reefing topsails and forecast. Breaking out fore hold. Put on chafing gear aloft, and started preparations for sea.

Officer of the Day
Ensign, USN.

Meridian to 4 P.M.

Generally overcast and cloudy. Cool. Light airs and breezes from E. N. E. and light airs from N. E., increasing last hour, to gentle to stiff breezes in squalls. Barometer steady. At 2:00 three French torpedo boats left the harbor and went to westward. The Chief Gunners Mate primed and tested life buoys, and found them in good working condition. The Doctor brought bill of health on board. About 2:00 P.M. finished hold and restowed it. An Italian brigantine came into the harbor from eastward and anchored about 4:00

W. J. Manion
Ensign USN

4 to 8 P.M.

Overcast with light rain throughout the watch. Cool. Light to gentle breeze with stiff squalls first hours from E. S. E. and N. by W. Barometer rising. At sunset confined in double irons O. T. Hellings (a.3.c.), B. F. Snyder (a.3.c.), E. L. Royal (a.3.c.), and A. Bunel (a.3.c.) for safe keeping during the night. A. Kelly (Sea.) returned from liberty ten (10) hours overtime. Finished restowing the fore hold.

Officer of the Day
Ensign, USN.

8. P.M. to Midnight.

Fair and cool, with heavy dew. Bright moonlight. Light breezes from N.W. Barometer falling slowly.

W. J. Manion
Ensign, USN.

Examined and found to be correct.

C. F. Lester.
Lieut. V. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Villefranche.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1				West.	West	2			29.94	55	44	44		br	cu.n.		6	
2				"	"	2			29.92	56	44	44		b	fra		0	
3				"	"	2			29.90	58	42	42		"	"		0	
4				"	"	2			29.86	60	41	40		"	"		0	
5				N.W. x N.	"	3			29.83	57	40	39		"	"		0	
6				W x N.	North	4			29.81	58	42	40		br	cu.		2	
7				North	"	4			29.80	61	43	40		"	"		4	
8				N. x E.	"	4			29.80	58	43	40		"	"		5	
9:34			65.2	N E	"	2			29.82	57	43	41		"	"		5	
10	3	0	68.2	SW ¼ W	ENE	13			29.82	55	46	43	61	ocs	cu.n.		10	S
11	7	8	76.0	"	SW	4			29.82	55	46	43	61	"	"		10	C
Noon.	8	0	84.0	"	SW by W.	2			29.81	54	44	44	61	ocs	"		10	"

Position at 8 A. M. { Latitude by ° ' " Mag Temp
Longitude by ° ' " For Alt

Position at noon: { Latitude by observation bearings 43° 25' 30" N. 71 — 68-67
Longitude by observation " 7° 6' 20" E.
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: S 32° W.

Distance made good since preceding noon: 19.2 miles.

Distance by Log since preceding noon: 19.2 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by bearings from 5 P.M. 42° 32' 45" N.
Longitude by " " " " 6° 26' 00" E.

Variation of compass:
Error of compass observed at } No observations
Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, 4 tons, 640 lbs.

Coal remaining on hand at noon, 125 " 926 "

P. M.																		
1	8	0	92.0	SW ¼ W.	SW	2			29.79	43	43	41	61	ocs	cu.n		10	b.
2	8	0	100.0	"	West	3			29.77	43	43	41	61	"	"		10	"
3	2.0	0	2.0															
	6	0	8.0	SW ½ S.	W.S.W	3			29.76	43	43	41	59	"	n.		10	"
4	8	0	16.0	"	"	2			29.77	44	42	41	57	ocs	"		10	"
5	6	3	22.3	"	NW	2			29.75	44	44	41	59	"	"		10	"
6	6	6	28.9	"	SW	1			29.76	44	44	42	58	ocd	"		10	"
7	7	1	36.0	"	"	1			29.77	43	43	42	58	"	"		10	"
8	7	4	43.4	"	"	1			29.77	43	43	42	58	"	"		10	"
9	6	4	49.8	"	NE	1			29.77	43	43	43	57	"	"		10	"
10	8	4	58.2	"	NNW	2			29.76	44	44	44	57	"	"		10	"
11	8	1	66.3	"	NW	3			29.76	44	44	45	57	"	"		10	"
Mid.	8	3	74.6	"	"	4			29.76	45	45	45	57	"	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,
Tuesday, December 12th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Clear and fine. Cold. Barometer falling rapidly. Light breeze from West. Moon set behind hills at 1:45.

W. K. Baldwin Ensign, USN.

4. to 8. A.M.
Clear to fair. Cold. Gentle to moderate breeze from North and West. Barometer falling slowly. At all hands released C. F. Dellings (A.S.C.) & D. Royal (A.S.C.), B. F. Snyder (A.S.C.), and A. Bunel (A.S.C.) from confinement. Rigged in lower booms. Started fires under boilers A, B, & D at 4 o'clock

Ensign, USN.

8. A.M. to Meridian.
Generally overcast and cloudy with light snow and passing showers. Light airs to gentle breezes, northerly, and moderate breezes from S.W. decreasing to light breezes from S.W. by W. Barometer steady. Finished preparations for sea. Draft of water forward 13' 6", amidships 15' 00", aft 16' 6". At 9.00 called all hands, unmoor ship, got underway and went ahead at 9:17. At 9:31 put over p.l. reading 64.9. Cape Ferrat Lt was abeam at 9:34, distant 1 mile, ship being on course S.W. ½ W. At 10:30 Cape Antibes Lt house was broad off starboard bow (P.L. 72.2) and at 10:45 it was abeam (P.L. 75.2) distant 3 miles. Set fore and aft sail for a short time between 9 and 10 when it would draw. No absentees at 9:30. Rove off new main topsail reef tackles. A. Lundgren (A.S.C.) was released from confinement at 9.00 by order of the Commanding Officer his term of confinement having expired. Allowed fires to die out under boiler "C" at 8.00. Punishments awarded by the Commanding Officer: G. C. Mollison (A.S.C.) overstaying leave 39 hours, 3 days solitary confinement on bread and water; D. Kelly (Sea) overstaying leave ten hours, reduced to 2d Conduct Class. Under steam alone at end of watch, under boilers A, B and D. Average revolutions 45.2; average steam pressure 60.5

W. K. Baldwin
Ensign USN.

Meridian to 4 P.M.
Overcast and cold. Light to gentle breeze from S.W., West, and W.S.W. Snowing slightly at intervals last half. Under steam on three boilers on course S.W. ½ W. till 2:15 when changed course to S.W. ½ S. p.l. reading 2. At 2:25 passed Cape Camarat Light abeam, p.l. reading 3.1. All fore and aft sail set from 4 till 8. Exercised watch on deck at Lead of gear, and watch below at knotting and splicing. Passed several steamers. Av steam 60. Av rev. 47.1.

W. K. Baldwin Ensign, USN.

4. to 6. P.M.
Overcast and cold with light snow at times. Light breezes and airs from W.S.W. to S.W. Ship pitching and rolling easily to swell on stbd. bow. Camarat, Cannes Id., and Porquerolles Lts in sight on stbd. hand. On course S.W. ½ S. (P.S.C.) Log 28.9 at end of watch under steam alone. Av steam 46. Av revs. 40.

Ralph Earle,
Ensign, USN.

6. to 8. P.M.
Overcast with slight drizzle. Light S.W. airs. Under steam alone. Course S.W. ½ S. (P.S.C.). Steam 50. Revs. 41.5.

Chas. Parks
Lieut., USN.

8. P.M. to Midnight.
Examined and found to be correct.
Overcast and cloudy with light drizzling rain most of watch. Light airs to gentle breeze from N.E. to N.W. Barometer steady. At 11:10 set fore & aft sail except fore jib. Steaming, course S.W. ½ S. (P.S.C.). Ship rolling easily. Max. roll 9° each side. Cross swell. Steam 53 Revs. 45.

W. K. Baldwin Ensign, USN.
F. F. Lester Lieut. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Villefranche to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.							P.											
1	6	7	74.6	SW ½ S.	N.N.W.	4	4°		29 73	53	48	46	57	oc.	m.		10	fc.
2	7	5	81.3	"	"	4	4°		29 74	52	48	46	57	"	s-cu.		10	"
3	7	8	88.8	"	"	4	4°		29 74	52	48	46	57	fc.	"		3	"
4	8	4	96.6	"	"	5	5°		29 74	51	48	46	57	"	"		1	"
5	8	4	5.0	"	"	5	5°		29 72	51	48	46	57	"	"		3	"
6	8	4	13.4	"	"	4	5°		29 72	53	48	46	57	"	"		2	"
7	8	5	21.5	"	"	4	5°		29 75	62	49	48	67	"	"		3	"
8	8	4	30.3	"	"	5	5°		29 75	53	51	50	57	"	"		8	"
9	5	2	43.9	SW ½ W.	NW.	5	5°		29 75	53	51	50	57	"	"		8	"
10	4	3	48.2	"	"	4	5°		29 75	59	51	49	57	"	cu-m		8	"
11	1	1	49.3	"	"	2	—		29 74	57	52	50	57	ocp.	"		10	"
Noon.	3	8	53.1	"	"	1	—		29 71	59	51	50	57	"	"		10	"

Position at 8 A. M. { Latitude by DR / Longitude by DR: 41° 6' 00" N. Mag. Comp. / 5° 32' 00" E. Var. 69- 6 2-66

Position at noon: { Latitude by observation / Longitude by observation: ° ' "

{ Latitude by D. R.: 40° 54' 00" N. / Longitude by D. R.: 5° 22' 30" E.

Course made good since preceding noon: S 33° W.

Distance made good since preceding noon: 171.2 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by DR: 40° 14' 00" N. / Longitude by DR: 4° 52' 00" E.

Variation of compass: 12° W'ly

Error of compass observed at 8:16: 16° 13 "

Deviation of compass on SW ½ S.: 4° 13' "

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 11 tons, 2000 lbs.

Coal remaining on hand at noon, 113 " 1166 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	7	6	60.7	SW. ¼ W.	SW by S.	1			29 67	60	57	50	57	ocp.	cu-m		10	C
2	7	5	68.2	"	SW	3			29 62	62	57	52	58	"	"		10	"
3	7	5	75.7	"	W. by N.	4			29 62	62	53	52	57	"	"		10	"
4	7	1	82.8	"	"	4			29 61	62	53	53	57	"	"		10	"
5	5	4	88.2	"	West	4-5			29 53	62	55	54	58	ocd.	min		10	"
6	5	3	93.5	"	"	4-6			29 57	64	58	56	59	"	"		10	"
7	5	4	98.9	"	"	5			29 55	65	60	58	59	oc.	"		10	"
8	5	0	3.9	"	"	4-5			29 53	65	61	59	59	"	"		10	"
9	4	1	8.0	"	"	5			29 52	65	59	59	59	"	"		10	"
10	4	6	12.6	"	SW.	5			29 48	66	59	58	59	"	"		10	"
11	4	9	17.5	"	"	5			29 46	66	58	58	59	"	a-cu		10	"
Mid.	5	3	22.8	"	"	5			29 42	66	58	58	60	fc.	"		9	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, December 13th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM

Partly cloudy to clear. Cool. Moonlight until 3:00 when moon set. Moderate breeze increasing last hour to stiff breze from N.N.W. Barometer steady. Set forecasl at 11:00. Steaming on course S.W. ½ S. (P.S.C.). Ship pitching and rolling easily. Average steam pressure 60 lbs, average revolutions 43.6.

W. J. Mahon,
Ensign, USN.

4. to 8. AM.

Clear and fine first part, clouding over last part. Cold. Moderate to stiff breezes from N.N.W. Barometer rising. Under steam and sail. On course S.W. ½ S. Foresail and all fore & aft sail except flying jib set. At 6:45 set fore and main topsails and topgallant sails. At 7:45 disconected propeller and proceeded under sail. At end of watch under all sail to topgallantsails. Av. Steam 55. Av. revs. 44.6.

L. L. Baldwin Ensign, USN.

8. AM. to Meridian

Cloudy to overcast with light rain last part. Stiff to moderate N.W. by breezes first half with light N.W. by airs and breezes remainder. Barometer falling. Ship pitching and rolling easily about 6°. At 8:00 changed course to S.W. ½ W. (P.S.C.) log 38.7. Released R. Perino and C. D. Muller, A.S.C., from confinement, their terms having expired. At 9:30 mustered at quarters and inspected bags. At 10 set flying jib. At 11 spread fires. At 11:30 connected up propeller, went ahead on engines and took in and furled sail. At end of watch under steam alone on course S.W. ½ W. (P.S.C.) log 53.1.

Ragnld Earle.
Ensign, USN.

Meridian to 4. PM.

Overcast and rainy. Light airs to gentle breeze from S.W. by S. to moderate breeze from W. by N. At 1:45 set fore and aft sail save flying jib and took it in at 2:15. At 2:45 set same fore and aft sail again. Course S.W. ½ W. (P.S.C.). At 3:50 stopped distilling. Average steam 43. Revolutions 43.3.

Chas Parks
Lieut. USN.

4. to 6. PM.

Overcast with frequent rain spits. Moderate to fresh breezes from West. Barometer falling. At 4:20 took in fore and aft sail. Ship pitching easily to moderate sea on starb'd tack. Course S.W. ½ W. (P.S.C.). Steam 41. Revolutions 37.8.

W. J. Mahon
Ensign, USN.

6. to 8. PM.

Generally overcast and cloudy. Moderate to stiff breezes in squalls from West. Barometer falling slowly. Ship pitching easily to moderate sea on starboard tack. Under steam alone on course S.W. ½ W. (P.S.C.). Average steam pressure 46 lbs, average revolutions 38.8.

W. J. Mahon
Ensign, USN.

8. PM. to Midnight

Overcast. Stiff breezes from West to S.W. Barometer falling. Ship pitching easily to head sea. Under steam alone on course S.W. ½ W. (P.S.C.) log 22.8 at end of watch. Average steam 50. Average revs. 39.5.

Ragnld Earle,
Ensign, USN.

Examined and found to be correct.

P. F. Lester
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Villefranche to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, as to sun.	State of the Sea.
A. M.																		
1	4	8	27.6	SW ½ W.	West.	5			29.38	66	59	58	60	oc.	nm		10	m.
2	5	2	29.9 31.1	W by S.	"	5			29.34	66	60	58	60	"	"		10	"
3	3	4	34.5	W ½ S.	W.N.W.	4-5			29.31	66	60	60	62	ocr.	"		10	"
4	3	1	37.6	"	W.S.W.	4-5			29.25	66	59	59	66	"	"		10	"
5	2	5	40.1	"	SW.	4-5			29.15	63	59	59	66	"	"		10	"
6	3	0	43.1	"	"	4-5			29.14	63	59	59	66	ocbgr	"		10	2
7	3	0	46.1	N by W ½ W.	West.	4-6			29.08	63	60	59	66	"	"		10	"
8	7	0	53.1	W by S.	"	4-6			29.04	63	60	59	66	bcbgr	c.m.		7	"
9	45		56.2	Various	"	4-6			29.04	63	60	59	66	bcr	"		7	"
10	Moored			W by S.	"	4			29.02	63	58	58	—	bcr	"		5	—
11				W SW.	W SW.	5			28.95	66	58	57	—	"	"		7	—
Noon.				S S W.	"	5-7			28.83	64	56	57	—	ocrg.	nm		10	—

Position at 8 A. M.: Latitude by Entering Port Mahon ° ' " Mag. Temp. Fr. Aft
Longitude by " " " ° ' " 69 — 68-67

Position at noon: Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 103.1 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~400~~ gallons.

Water distilled during the preceding 24 hours, ~~400~~ "

Water remaining on hand fit for use at noon, ~~2100~~ "

Coal consumed during the preceding 24 hours, 12 tons, ~~1200~~ lbs.

Coal remaining on hand at noon, 100 " 22.06 "

P. M.															
1	Moored														
2			N. W.	N. W.	5	28.86	65	55	54	bc.	a.m.	8			
3			N. W. by N.	N. W. by N.	3-5	28.91	66	53	53	bcgr	nim.	9			
4			N. by W.	N. by W.	8-9	29.00	65	52	52	ocgr	"	10			
5			N. N. W.	N. N. W.	8-9	29.07	64	52	51	"	"	10			
6			"	"	9-10	29.15	64	52	52	"	"	10			
7			"	"	9-10	29.21	63	52	49	"	"	10			
8			"	"	7-9	29.26	63	49	49	"	"	10			
9			"	"	6-8	29.32	63	49	49	"	"	10			
10			"	"	5-7	29.35	60	49	49	bc	a.m.	6			
11			"	"	6	29.37	60	52	49	"	a.m.	3			
Mid.			"	"	4-5	29.39	60	53	50	"	"	5			
			N W.	N. W.	3-4	29.40	61	54	51	oc.	"	10			

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, December 14th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast. Raining latter half. Moderate to stiff breeze from West to W.N.W. and back to W.S.W. Barometer falling fast. Course S.W. ¼ W. (P.S.C.). At 1:30 changed course to W. by S. (P.S.C.) and at 2:00 to W. ½ S. At 2:00 sighted Cape St. from aloft about 1 point on stbd. bow. At 2:30 sighted the same light from deck a little on stbd. bow. Slowed the engines at 2:50 to 30 turns. Average steam 45. Revolutions 37.

C.W. Fahs
Lieut., U.S.N.

4. to 8. A.M.

Overcast to fair and rainy first hour, with rain squalls last three hours. Moderate to fresh breeze from S.W. and West. Barometer falling rapidly. At 6:50 changed course to N. by W. ½ W. and set fore topmast staysail and foot of main topsail. At 7:15 set foresail. At 7:45 took in sail and changed course to W. by S. (P.S.C.). Ship rolling deeply at times to sea on port quarter and pitching to sea on port bow. Cape Light in sight until sunrise. At 5:30 sighted Port Mahon Light. Land in sight at daylight. Revs. 33.9. Steam 57. At end of watch standing in towards entrance to Port Mahon.

J.H. Gardiner
Ensign, U.S.N.

8. A.M. to Meridian.

Generally cloudy, squally, and rainy. Moderate to fresh breezes in squalls from West and W.S.W. Barometer falling very rapidly. Steaming on various courses into the harbor of Port Mahon. At 8:45 stopped and backed up pilot. Fired national salute of 21 guns. Spanish flag at the main truck at 8:50 which salute was returned by a shore battery at 9:10 gun for gun. Moored ship at 9:45, port chain being shackled to buoy. At 10:20 a Spanish Officer from the Captain of the Port made boarding visit to this ship. At 11:00 the American Consul came on board, and on his departure a salute of five guns was fired. American flag at fore. At 11:20 the Captain of the Port called officially on the Commanding Officer. Obtained pratique. Hauled in p. l. at 9:45- reading 562. Banked fires under boilers A, & B, retaining all in use for distilling. Mended furl of all sail. Sent mizzen storm staysail below. Average steam pressure 59 lbs.; average revolutions 39.7.

W.J. Marion
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy to pleasant first hour overcast, squally with heavy rain remainder. Stiff to Gentle N.W. by W. breezes first half followed by moderate to strong gales from N.W. by N. to N. by W. Barometer rising rapidly. The Captain called officially on the Captain of the Port and the Governor General of the Islands. At 2:30 sent down topgallant yards.

Reed Sands
Ensign, U.S.N.

4. to 6 P.M.

Overcast. Blowing a gale from N.N.W. with frequent rain squalls. Barometer rising rapidly.

C.W. Fahs
Lieut., U.S.N.

6. to 8. P.M.

Overcast and cloudy. Very fresh breeze from N.N.W. with very heavy squalls. Raining at times. Barometer rising rapidly.

J.H. Gardiner
Ensign, U.S.N.

8. P.M. to Midnight.

Examined and found to be correct.

Generally cloudy and cool. Fresh breeze decreasing to moderate to stiff breeze from N.N.W. in squalls and last hour to gentle to moderate breezes in squalls from N.W. Barometer rising.

W.J. Marion
Ensign, U.S.N.

E.T. Calpin
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Port Mahon, B. D.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Currs.	CLOUDS. Amount, sometimes	State of the Sea.
A. M.																		
1	Moored			N. W.	N. W.	3			29 42	60	50	50		ocr.	m.		10	
2				"	"	3			29 43	60	50	50		ocp.	"		10	
3				"	"	3			29 44	60	49	49		oc.	"		10	
4				"	"	3			29 45	60	49	49		ocd.	"		10	
5				N. N. W.	North	1			29 47	62	50	50		oc.	b.n.		10	
6				North	"	1			29 50	64	50	50		bc.	bu.		8	
7				"	"	2			29 52	61	50	50		"	"		8	
8				N. by E.	N. E.	2			29 54	59	51	51		"	"		8	
9				"	North	2-4			29 59	60	53	49		"	"		8	
10				N. E.	N. N. E.	3-6			29 60	60	53	49		"	ci-cu		7	
11				"	"	3-4			29 62	64	55	50		"	"		6	
Noon.				N. by E.	"	3-6			29 63	64	55	50		"	cu-n		7	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft. 72- 68-67

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water distilled during the preceding 24 hours, 1050 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 2 tons, — lbs.

Coal remaining on hand at noon, 98 " 2206 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Currs.	CLOUDS. Amount, sometimes	State of the Sea.
P. M.																		
1	Moored.			North	North	4-6			29 63	65	54	50		bcq.	cu-n		8	
2				"	"	5-7			29 64	64	53	49		bcq.	"		8	
3				"	"	5-7			29 67	63	53	49		ocrq.	m.		10	
4				N. N. W.	N. N. W.	3-4			29 68	63	51	49		"	"		10	
5				N. W.	N. W.	1			29 69	63	48	47		ocd.	"		10	
6				West	Calm.	0			29 70	64	48	47		oc	"		10	
7				North	North	3-4			29 71	65	48	46		bc	"		9	
8				"	"	3-4			29 72	65	51	47		"	acu		9	
9				"	"	4-6			29 73	62	50	46		ocq.	cu-n		10	
10				"	"	4-7			29 74	62	48	45		"	"		10	
11				"	"	4-7			29 75	62	48	45		ocdq.	"		10	
Mid.				"	"	4-7			29 76	63	46	45		"	"		10	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Friday, December, 15th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy, and rainy. Gentle N.W.ly breezes. Barometer rising slowly.

Roger Sawyer
Ensign, U.S.N.

4. to 8. A.M.

Cloudy and cool. Light airs and breezes from North to N.E. Barometer rising slowly.

C.W. Fahs
Lieut., U.S.N.

8. A.M. to Meridian.

Cloudy and cool. Light to gentle breeze from North and N.N.E., with very fresh puffs at times. Barometer rising steadily. G.C. Mollison (A.S.C.) was released from confinement by order of the Commanding Officer his term having expired. At 9:30 went to general quarters. All divisions reported ready in 2½ minutes. At 9:45 secured, all divisions reporting in 3½ minutes. After the exercise the divisions were mustered, no absentees. The Captain assigned the following punishment: T. Donovan (A.S.C.) having another persons property in his possession and using insulting language to the Master-at-Arms, 5 days solitary confinement on bread and water. The Governor's Aid came on board and returned the call of the Captain. Made weekly test of magazine drains and flood cocks and found them in good condition. Made preparations to receive dry dock lighter alongside.

W.F. Martin
Ensign, U.S.N.

Meridian to 4 P.M.

Generally overcast and cloudy, with rain squalls. Cool. Moderate to fresh breezes in squalls from North, decreasing to gentle and moderate breezes in squalls from N.N.W. Barometer rising. At 1:00 called all hands to muster and delivered to Laughlin McM. Kelly, permanent appointment as Boatswain's Mate 1st Class, Dated November 8th, 1899. Cleaned and disinfected bilges.

W.F. Martin,
Ensign, U.S.N.

4. to 6. P.M.

Overcast, cloudy, and rainy. Light N.W.ly airs and calm.

Roger Sawyer,
Ensign, U.S.N.

6. to 8. P.M.

Cloudy and cool. Gentle to moderate breezes from North. Barometer rising slowly.

C.W. Fahs
Lieut., U.S.N.

8. P.M. to Midnight.

Overcast. Cloudy. Cool. Moderate breeze from North with very fresh squalls and occasional light rain last hour. Barometer rising slowly.

W.F. Martin
Ensign, U.S.N.

Examined and found to be correct.

E.F. Leiper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

moored to buoy, Port Mahon, B.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
A. M.																		
1				North	North	4-6			29 76	60	48	45		bcp	cu-s		9	
2				"	"	4			29 77	59	48	45		ocp	m.		10	
3				"	"	4			29 78	59	48	45		"	"		10	
4				"	"	5			29 78	59	47	45		bcp	cu-m.		9	
5				N. by E.	"	5			29 79	58	46	45		"	"		9	
6				W by N.	"	3			29 81	58	45	44		ocr	m.		10	
7				N. W.	"	3			29 83	58	44	45		oc.	"		10	
8				N by W.	"	4			29 83	54	45	45		"	cu-m.		10	
9	32		562	Various	N. N. E.	4-5			29 84	57	47	45		"	"		10	
10	3	9	60.1	W. S. W. 3/4 W.	"	4-5			29 87	59	47	45		"	"		9	L.
11	4	2	67.3	"	"	5			29 89	58	49	46		ocp	"		10	"
Noon.	4	6	74.9	"	"	3			29 89	60	51	49		bcp	"		9	"

Position at 8 A. M. { Latitude by ° ' " Mag. Temp
Longitude by ° ' " For Alt

Position at noon: { Latitude by observation 39° 37' 40" N. 71- 69-66
Longitude by observation ° ' "
Latitude by D. R. 39° 37' 40" N.
Longitude by D. R. 3° 59' 30" E.

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 24.2 miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by bearings. 39° 05' 00" N.
Longitude by bearings. 3° 07' 00" E.

Variation of compass:

Error of compass observed at } No observations

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, 3 tons, 160 lbs.

Coal remaining on hand at noon, 96- " 2046 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
P. M.																		
1	6	8	81.7	W. S. W. 3/4 W.	N. N. E.	2			29 89	60	50	49	61	bcp	bu-m.		9	L.
2	6	8	88.5	"	N. N. W.	1			29 89	64	52	51	61	bc.	cu.		8	"
3	6	0	94.5	"	N. W.	1			29 92	64	52	51	61	"	"		7	"
4	6	0	100.5	"	"	2			29 92	64	52	51	61	"	"		7	"
5	3 3/4	1 3/4	103.7	W. S. W.	"	2-4			29 92	60	50	48	60	"	cu-m		7	"
6	7	0	110.5	"	"	3-4			29 92	60	50	48	60	"	cu		3	m.
7	6	9	120.7	"	"	4			29 92	59	52	49	60	b.	bme		0	"
8	6	7	127.4	"	"	3			29 93	62	53	50	60	bc.	a-cu		5	L.
9	5	9	133.3	"	W by S.	3			29 94	61	52	49	60	"	"		5	"
10	5 0/4	7 3/4	139.3	W. S. W. 7/8 W.	"	3			29 94	61	52	49	60	"	"		4	"
11	6	2	145.5	"	W. N. W.	3			29 95	60	53	49	61	"	"		4	"
Mid.	6	7	152.2	"	"	3			29 95	60	53	49	61	"	"		3	"

under the command of Commander Frank Curtis, U. S. Navy,

Saturday, December 16th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Generally overcast and squally, with passing showers. Moderate to fresh breezes in squalls, falling to moderate and light breezes, from North. Barometer rising slowly.

W. H. Simons,
Ensign, U.S.N.

4. to 8. A.M.

Overcast and cloudy with heavy rain second hour. Gentle to moderate North by W. breezes. Barometer rising slowly. At 7:15 crossed topgallant yards and bent gear. Made preparations for sea.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Occasional slight drizzle. Stiff to gentle breeze from N.N.E. At 8:15 the Pilot came on board. Slipped the mooring and stood out of Port Mahon, the Pilot coming. Discharged the Pilot at the outer buoy. Rounding Ayre Id. the Commander coming. At 9:45 put ship on course W.S.W. ½ W. (P.S.C.) and put over the Pat. Log. 5.5 C, Ayre Id. Light-House being on the stbd. beam bearing N. by W. ½ W. (P.S.C.) and distant one mile. Set the foresail and fore and aft sail save flying jib and main topmast staysail. At 10:30 set main topmast staysail, and at 11:15 the fore topsail and the fore topgallantsail. At 11:30 commenced distilling. The Island of Majorca on stbd. bow at end of watch.

Steam 57. Revs. 42.

E. McTaggart,
Lieut., U.S.N.

Meridian to 4. P.M.

Cloudy and cool. Light breezes and airs from N.N.E. to N.W. Barometer rising slightly. Course W.S.W. ¾ W. (P.S.C.). Long cross swell, heaviest from N.E. Ship rolling at times deeply, max. roll 35° to port and 31° stbd., 5 times per minute. At 12:10 set flying jib. 1:30 took in sail and furled topgallantsail and topsail. Set fore and aft sail to stand. At 2:45, and took it in and furled it along with foresail at 3:30. Steam 45. Revs. 37.4. Land in sight on stbd. beam all watch. Sighted several sails.

J. J. Mueller,
Ensign, U.S.N.

4. to 6. P.M.

Clear and cool. Light to moderate breezes in squalls from S.W. Barometer steady. Mustered at quarters at 5:15. No absentees. At 4:30 changed course to W.S.W. (P.S.C.) p.l. 3.7. At 5:40 Colom lt. was abeam p.l. 11.5. Set fore topmast staysail and jib about 4:45, main topmast staysail and main trysail about 5:10. Under sail and steam on course W.S.W. (P.S.C.). Average steam pressure 40 lbs., average revolutions 41.6. Ship rolling considerably first hour, greatest rolls noted 28° to port and 22° to starboard.

A. H. Mamon,
Ensign, U.S.N.

6. to 8. P.M.

Fair and pleasant. Moderate to gentle N.W. by W. breezes. Ship rolling 7° port to 4° starboard, 5 times per minute. At 6:30 sighted Salinas Pt. light and it was abeam at 7:35. Cabrera island in sight on starboard bow. Under steam and sail as in previous watch, on course W.S.W. (P.S.C.), log 27.4. Av. steam 49. Av. revs. 41.4.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and cold. Bright moonlight. Gentle breeze from W. by S. to W.N.W. Course W.S.W. (P.S.C.). At 8:15 sighted Cabrera Id. light bearing W.N.W. (P.S.C.) Pat. log 35.7. At 9:10 Cabrera Id. lt. was abeam on stbd. hand P.S. 34 and distant 5.3 miles. At 9:10 changed course to W.S.W. 7/8 W. (P.S.C.). At 8:15 took in all fore and aft sail. Stopped distilling at 8:45. Steam 51. Revs. 41.

E. McTaggart,
Lieut., U.S.N.

Examined and found to be correct.

E. F. Lucas.
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Port Mahon to Gibraltar

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 th.	State of the Sea.
A. M.																		
1	6	6	57.8	W.S.W. ½ W.	West	3			29 93	59	50	48	59	bc	cu		2	S.
2	6	7	64.5	"	"	3			29 92	58	50	48	59	b	cu		0	"
3	6	5	71.0	"	W. by S.	3			29 91	58	50	48	59	bc	ci.		4	"
4	6	3	77.3	"	"	3			29 90	60	57	48	61	"	ci-cu		6	"
5	6	4	83.7	"	"	3			29 89	61	57	48	61	"	"		7	"
6	6	3	90.0	"	"	3			29 87	63	57	48	61	"	"		6	"
7	7	4	97.4	"	SW	3			29 86	63	57	48	61	"	"		6	"
8	6	5	3.9	"	"	3			29 86	65	57	50	62	"	"		6	"
9	6	2	10.1	"	"	3			29 87	71	60	57	62	"	"		7	"
10	7	1	17.2	"	"	4			29 87	70	65	60	62	"	"		7	m.
11	5	4	22.6	"	"	4-5			29 85	71	65	62	62	"	cu-n.		7	"
Noon.	4	3	26.7	West.	W.S.W.	5			29 83	71	69	59	61	"	cu		5	"

Position at 8 A. M. { Latitude by bearings / Longitude by bearings } 38° 29′ 00″ N. 1° 42′ 00″ E. Mag. Comp. Corr. Alt. 72 - 68-67

Position at noon: { Latitude by observation / Longitude by observation } 38° 20′ 00″ N. 1° 17′ 00″ E.

{ Latitude by D. R. bearings / Longitude by D. R. bearings } 38° 19′ 00″ N. 1° 17′ 00″ E.

Course made good since preceding noon: S. 58° W.

Distance made good since preceding noon: 18-1 miles.

Distance by Log since preceding noon: 151.8 miles.

Current per hour: — miles, set — true.

Position at 8 P. M. { Latitude by dlr / Longitude by dlr } 37° 53′ 00″ N. 00° 24′ 00″ E.

Variation of compass: from chart 19° 17′ W by.

Error of compass observed at 9:02 18° 17′ "

Deviation of compass on W by S. 5° 00′ "

Water expended during the preceding 24 hours, 400 gallons.

Water Distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 13 tons, 160 lbs.

Coal remaining on hand at noon, 52 " 1556 "

P. M.																		
1	4	0	30.9	W.S.W. ¾ W.	W. SW.	5			29 83	71	63	59	61	bc	cu.		6	m.
2	5	6	36.5	"	"	4			29 82	74	63	59	62	"	"		7	"
3	6	0	42.5	"	"	3			29 83	72	62	58	60	"	cu-n.		9	"
4	6	9	49.4	"	"	2			29 81	70	59	58	61	bcp	"		8	"
5	6	1	55.5	"	SW	3			29 81	68	58	58	61	bcd.	"		9	"
6	6	7	62.2	"	SW by S.	3			29 80	68	60	58	61	"	"		9	"
7	6	6	68.8	"	W. SW	4-5			29 80	70	58	58	60	ocgr	m.		10	"
8	6	4	75.2	"	N.N.W.	4-6			29 81	69	55	55	60	"	"		10	"
9	7	2	82.4	"	"	4			29 81	65	58	58	60	ocd.	"		10	S
10	7	2	89.6	"	"	1			29 82	64	57	57	60	"	"		10	"
11	7	0	96.6	"	S.S.W.	3			29 82	64	56	55	60	"	"		10	"
Mid.	7	4	4.0	"	"	5			29 80	63	57	55	60	"	"		10	"

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, December 17th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear first half. Clouding over last half. Cool. Gentle breeze from West and W by S. Barometer falling slowly. Bright moonlight most of watch. Between twelve o'clock and three an eclipse of the moon occurred the greatest area being darkened about 1.45. At 11:30 lost sight of Cabrera Light and at 3:45 sighted Condolaa Pt. Light. Steamer passed standing to Eastward. Course W.S.W. 7/8 W. (P.S.C.). Ship pitching easily to light W. [illegible] Revs 104. Steam 53.

J. Murphy
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Gentle breezes from W by S. shifting to S.W. Bright moonlight until about 6:30 when moon set. Barometer falling slowly. Sighted small sailing vessel one point on port bow about 6:45. Sent down top gallant yards at 7:00. Condolaa light bore broad off starboard bow at 8:34 (P.S. 569) and light house abeam at 7:23 (P.S. 1080). Ship about steady. Under steam alone on course W.S.W. 7/8 W. (P.S.C.). Average steam pressure 53 lbs., average revolutions 42.

W. J. Marmion
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Gentle to stiff breezes from S.W. hauling to W.S.W. last hour. Barometer falling. Ship pitching easily to moderate sea on port bow. At 8:15 set fore and aft sail except flying jib and took them in at 9:20. Ambent flying jib. At 9:30 mustered and inspected at quarters. The Chaplain held divine service. At 9:50 set clock back 10 minutes. The Commanding Officer assigned the following punishment:- C.W. Eddings, A.B.C. leaving quarters before being dismissed 2 hours extra duty. On course W.S.W. 7/8 W. (P.S.C.) until 11:00 when changed course to West (P.S.C.) Log 22.6, in order to make fore and aft sail, but wind hauling ahead so as not to be able to do so, at 12 changed to W.S.W. 3/4 W. (P.S.C.) log 26.9. Islands of Irisa, Bonnenteray and Bedra, in sight off starboard beam. Sighted sailing ship bound to North'd off starboard bow. Av. steam 55. Av revs 41.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Cloudy with light passing showers last hour. Stiff to gentle breeze from W.S.W. Course W.S.W. 3/4 W. (P.S.C.). Under steam alone. Av. steam 54. Revs 412.

C. W. Fahs
Lieut, U.S.N.

4 to 6. P.M.

Cloudy with light passing rain last hour. Gentle breezes from S.W. and S.W. by S. Barometer falling slightly. At 4:00 sighted land on starboard bow and beam which was lost at dark. Under steam. Revolutions 425. Steam 56. Ship pitching easily to S.W. swell. Course W.S.W. 3/4 W. (P.S.C.)

J. Murphy
Ensign, U.S.N.

6 to 8 P.M.

Overcast, and cloudy with rain squalls. Moderate to stiff breeze in squalls from W.S.W., shifting to N.N.W., moderate and fresh breezes in squalls. Barometer rising slowly. Set fore and main topmast staysails, jib, main trysail and spanker at 6:10 & took them in about 7:00 wind hauling ahead. On course W.S.W. 3/4 W. (P.S.C.) under steam. Average steam pressure 57 lbs., average revolutions 44.

W. J. Marmion
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast, cloudy with drizzling rain. Moderate breeze to light airs, from N.N.W. first half, gentle breezes from S.S.W. increasing to stiff breezes remainder. Barometer fell slightly. Ship steady. Set fore and aft sail and foresail at 8:15, and took it in at 10. At 10:30 set fore and aft sail. Passed a sailing ship bound to E'd. At end of watch on course W.S.W. 3/4 W. (P.S.C.) Log 47.0, under steam and fore and aft sail. Av. steam 58. Av. revs. 43.

Examined and found to be correct

Ralph Earle,
Ensign, U.S.N.

F. F. Leiper, Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Port Mahon to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10th.	State of the Sea.
A. M.																		
1	6	0	10.0	W. S. W. ¾ W.	S.W.	4			29 79	63	57	57	61	ocp.	cu-n.		10	S.
2	6	0	16.0	"	W. S.W.	3			29 78	63	57	57	61	oc.	"		10	"
3	5	4	21.4	"	"	3			29 78	64	58	57	61	ocp.	"		10	"
4	6	4	27.8	"	"	3			29 78	64	58	57	61	"	"		10	"
5	7	0	34.8	"	S.W.	4			29 78	63	56	54	61	"	"		10	"
6	6	2	41.0	"	"	4			29 78	63	56	54	61	"	"		10	"
7	6	5	47.5	"	W. S.W.	4			29 79	63	56	54	61	bc.	cu		8	"
8	6	9	54.4	"	West	3			29 81	62	56	54	60	"	ci-cu		6	"
9	3 6	3	58.0 61.3	W. S. W. ½ W.	S.W. by W.	3			29 87	62	55	53	60	"	cu-m.		9	"
10	7	5	68.8	"	"	3			29 82	64	55	53	60	"	"		9	"
11	8	1	76.9	"	W. N. W.	3			29 85	64	55	53	60	"	"		8	"
Noon.	7	8	84.7	"	W. by N.	2			29 85	64	55	53	60	"	"		8	"

Position at 8 A. M.: Latitude by DR. 37° 11' 15" N. Mag. Comp. Aft.
Longitude by DR. 1° 8' 00" W. Var. 67-65

Position at noon: Latitude by observation bearings 36° 54' 00" N. 70-
Longitude by observation bearings 1° 41' 00" W
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: S. 5-8° W.

Distance made good since preceding noon: 167 miles.

Distance by Log since preceding noon: 157.8 miles.

Current per hour: 9.2 miles, set West true.

Position at 8 P. M.: Latitude by bearings 36° 36' 30" N.
Longitude by bearings 2° 62' 00" W.

Variation of compass:
Error of compass observed at } no observations.
Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.
Water during the preceding 24 hours, — "
Water remaining on hand fit for use at noon, 1800 "
Coal consumed during the preceding 24 hours, 15 tons, 960 lbs.
Coal remaining on hand at noon, 67 " 1446 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10th.	State of the Sea.
P. M.																		
1	5	4	86.1	W. S. W. ½ W.	W. by S.	2			29 84	64	55	53	60	bc.	cu.		8	S.
2	6	7	93.4	W. S. W. ½ W.	"	2			29 83	64	55	53	60	"	"		8	"
3	6	1	99.5	West.	W. N. W.	2			29 83	70	59	57	60	"	"		8	"
4	4	8	4.3	W. N. W. ¾ W.	"	2			29 87	69	57	57	60	"	ci.		4	"
5	6	6	17.8	"	"	3			29 87	70	57	54	60	"	ci-cu		5	"
6	6	5	24.3	"	"	1			29 88	70	56	54	60	"	"		5	"
7	7	1	31.4	"	"	1			29 91	70	56	54	60	bcl	"		7	"
8	7	9	39.3	"	N. W.	1			29 93	70	56	54	59	"	ci. s.		8	"
9	7	1	46.4	"	N. N. W.	3			29 93	70	56	54	58	ocd.	ci-cu		10	"
10	4	7	54.1	"	North	3			29 93	72	54	54	58	"	"		10	"
11	8	3	62.4	"	"	2			29 93	72	54	52	58	bcw	"		9	"
Mid.	8	0	64.4															
	4	4	70.8	W. ¾ N.	N. E.	1			29 92	72	54	52	58	ocd.	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, December 18th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Overcast with frequent passing rain squalls. Moderate to gentle breeze from SW. to W.S.W. At 12:15 took in all fore and aft sail Course W.S.W. 3/4 W. (P.S.C.) At 12:30 sighted Palos Lt. bearing N.W. by W. 3/4 W. (P.S.C.) At 1:14 Palos Lt. was on the bow bearing N.W. by W. 1/4 W. (P.S.C.) Pat. log 11.9. At 3:20 it was abeam distant 11.4 miles. At 2:45 sighted Tinoso Lt. on stbd. bow. Steam 5.5. Revolutions 40.9.

Ens. Fahs
Lieut., USN.

4. to 8. A.M.

Overcast to cloudy. Cool. Moderate to gentle breeze from SW. to West. Barometer rising. At 6:10 lost sight of Cape Palos light bearing N. 44° E. (P.S.C.). At 6:20 Tinoso light was abeam p.l. 43.9. At 8:00 set fore and aft sail except flying jib and main topmast staysail, and took it in again at 5:45. Steaming. Course W.S.W. 3/4 W. (P.S.C.). Ship nearly steady. Steam 5.0. Revs. 42.5.

Ens. Upham
Ensign, USN

8. A.M. to Meridian

Cloudy and pleasant. Gentle breezes from N.W. by W. and W.N.W. falling to light breeze from W. by N. Barometer rising slowly. At 9:30 mustered at quarters after which the Divisions were drilled as per routine. No absentees. Served out clothing and small stores. At 5:15 set fore and aft sail, except flying jib and at 11:00 the foresail. The wind hauling ahead at 11:15 took in foresail and at 2:40 all fore and aft sail. On course W.S.W. 3/4 W. until 8:30 when course was changed to W.S.W. 1/2 W. p.l. 5.8.0. Set back deck clock 2 minutes at 11:20. The Italian steamer "Sofia" passed us on same course about 10:00, showed colors. Punishments awarded by the Captain: J. Collins (M. At.) impudence to Ward Room Steward and refusing to do his work properly, 5 days solitary confinement on bread and water; J. J. Boylan (A.B.C.) stowing himself away while his watch was on deck - 8 hours extra duty. Under steam; average steam pressure 54 lbs, average revolutions 44.5.

A. M. Samson
Ensign, USN.

Meridian to 4. P.M.

Fair to cloudy and pleasant. Light variable breeze from W. by S. to W.N.W. Barometer rising. At 12:15 changed course to W.S.W. 1/2 W. (P.S.C.) Log 86.1. At 1:00 changed to W.S.W. 3/4 W. (P.S.C.) Log 91.7. At 2:12 changed to West (P.S.C.) Log 99.5. At 3:45 Cape de Gata abeam distant 8.7 miles, changed course to W.N.W. 1/2 W. (P.S.C.) Log 9.8. Coast of Spain in sight on stbd hand. Passed many steamers and sailing vessels. Instructed watch on deck in seamanship. At end of watch on course W.N.W. 3/4 W. (P.S.C.) Log 11.2. Under steam only. Av steam 52. Av revs. 44.6.

Joseph Earle
Ensign, USN.

4. to 6. P.M.

Cloudy and pleasant. Gentle to light breeze from W.N.W. Under steam alone. Course W.N.W. 1/2 W. (P.S.C.). At 5:30 sighted Salinal St. bearing N. 60° W. (P.S.C.). Steam 52. Revs. 44.6.

Ens. Fahs
Lieut, USN.

6. to 8. P.M.

Cloudy and pleasant. Light airs from W.N.W. and N.W. Barometer rising. Course W.N.W. 1/2 W. (P.S.C.) At 6:47 Salinal light on bow p. log 25.5. At 6:42 moon rose. 7:07 Salinal light abeam pat. log 31.5. 7:10 sighted Adra light. At 7:25 Salinal light on quarter p. l. 34.5. At 7:43 Adra light on bow. Land in sight on starboard hand during watch. Sighted several vessels. Ship nearly steady. Steam 5.8. Revs. 47.5.

Ens. Upham
Ensign, USN

8. P.M. to Midnight

Generally cloudy and overcast, with drizzling rain at intervals. Gentle breeze from N.W. and North, decreasing to light breeze, and last hour to light airs from N.E. Moonlight. Barometer steady. Set all fore and aft sail at 5:45 and foresail at 9:45, and at 10:10 wind hauling ahead a little took in foresail, and at 11:25 took in fore and aft sail, wind falling to calm. Sighted Sacratif Lt. two points on stbd bow about 8:00. Steamed broad off stbd bow at 10:24 (p.l. 57.3) and abeam at 11:16 (p.l. 64.4) when course was changed to W. 1/2 N. (P.S.C.). Set foresail again about 12:00. Under steam; av revolutions 45.5, av steam pressure 53 lbs.

Examined and found to be correct.
A. M. Samson,
Ensign, USN.

E. F. Leiper, Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex **3rd Rate,**

Making passage from Port Mahon to Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10th.	State of the Sea.
A. M.																		
1	8	2	79.0	W. 3/4 N.	East	3			29 90	72	52	58	58	ocp.	N.		10	S
2	8	0	87.0	"		4			29 89	69	53	59	59	oc	cu-n		10	"
3	9	0	96.0	"	S.E.	3.5			29 88	68	52	59	59	ocpgph	"		10	"
4	8	8	4.8	"	South	3			29 88	68	53	59	59	ocd	"		10	"
5	7	8	12.6	"	West	3			29 88	69	53	53	59	ocp.	"		10	"
6	7	7	20.3	"	E. N. E.	2			29 90	71	50	50	59		"		10	"
7	8	2	25.5	"	"	3			29 92	72	50	50	59	bc	cu		8	"
8	8	6	37.1	"	"	4			29 92	72	50	50	59	"	"		5	"
9	8	6	45.7	W. 3/4 S.	N. E.	4			29 94	60	52	52	59	"	cu-n		8	"
10	11	1	56.8	"	E by N.	4			29 99	62	55	54	59	"	"		5	"
11	8	4	65.2	W. S. W 1/4 W.	NE.	4			29 99	65	55	54	59	"	"		4	"
Noon.			66.8	Various	E. N. E.	4-5			29 97	60	55	54	—	"	"		4	—

Position at 8 A. M. { Latitude by bearings 36° 21' 30" N. Mag Temp.
Longitude by bearings 4° 48' 00" W. Bar Att
70— 67.66

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 194 miles.

Distance by Log since preceding noon: 182.1 miles.

Current per hour: 11.5 miles, set West'ly true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 400 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 1550 "

Coal consumed during the preceding 24 hours, 15 tons, 1440 lbs.

Coal remaining on hand at noon, 51 " 1246 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10th.	State of the Sea.
P. M.	At anchor																	
1				S.E. by S.	East	3			30 00	60	57	54		bc	cu-n		7	
2				"	"	2			30 01	64	60	58		"	"		7	
3				"	"	2			30 09	64	60	58		"	"		4	
4				W. S. W.	"	1			30 04	64	59	56		"	"		6	
5				"	W. S. W.	2			30 06	64	57	56		"	a-cu		6	
6				West	"	3			30 10	64	56	55		bcw	ci-cu		4	
7				"	"	3			30 11	65	56	55		bw	none		0	
8				"	"	3			30 14	66	55	55		bcw	ci.		1	
9				"	"	2			30 14	65	50	49		"	"		1	
10				"	"	3			30 14	64	49	49		bc	cu		3	
11				N. W. by W.	West	3			30 15	63	49	49		"	"		3	
Mid.				"	"	3			30 15	62	49	49		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, December 19th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast and cloudy with heavy rain third hour, drizzling rain remainder. Gentle to moderate East by breeze first half, stiff to gentle S.S.E. breeze hauling to S. South by East hour. Barometer falling slowly. At 1:45 sighted Cape Torrax bearing N 3/4 E. At 12:15 set foresail and main topsail. At 3:00 set fore and main topmast staysails and spanker. At end of watch on course W 3/4 N. (P.S.C.) log 4.8, under steam and fore and aft sail and foresail. Average steam 53. Average rev. 46.1.

Edgar L. Earle,
Ensign, U.S.N.

4 to 8 A.M.

Overcast to cloudy; cool. Gentle breeze from West, shifting latter part to moderate breeze from E.N.E. Course W 3/4 N. (P.S.C.). At 4:20 took in fore and aft sail. At 6:30 set foresail, the topsails, and fore and aft sail save main topmast staysail. At 5:35 Calaburras Pt. was on stbd bow bearing N.W. 3/4 N. P.L. 17.8, and at 6:45 it was abeam P.L. 24., being 5.2 miles distant. At 8:00 headed for the Rock of Gibraltar on course W 3/4 S. (P.S.C.). Steam 47. Revolutions 44.3.

Chas. T. Hanks
Lieut, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Moderate to stiff breeze from N.E. to E.S.E. Barometer fluctuating. At 8:10 set fore topmast staysail. At 9:30 mustered at quarters. Set clock back 20 minutes. At 10:00 changed course to W.S.W. 1/4 W. (P.S.C.) and took in spanker, topsail and main topmast staysail. At 10:45 hauled down jib and 10:50 changed course so as to head nearer Europa Point. At 11:00 took in all sail and furled it. At 11:13 took in pat. log reading 66.5. At 11:40 fired a salute of eleven guns, English flag at the fore which was answered by the "Juno." At 11:45 a battery on shore fired a salute of 21 guns. The Captain assigned the following punishments. O.F. Reiff (A.B.C.), Below during the watch on deck 8 hours extra duty. E. A. Burns (A.B.C.), E.W. Logsdon (A.B.C.), C. Benson (A.B.C.), Clothes lying about deck 4 hours extra duty. The rating of J. Cooksey (Ldy) was changed to Shipwright to date from Dec 1st. At End of watch standing into the anchorage. Several British men-of-war in port.

Chas. T. Hanks
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle falling to light breeze and then to light airs from East. Barometer rising slowly. At 12:03 let starboard anchor, moored in 5 fathoms of chain, depth of water 16 fathoms soft bottom. Bearings at anchorage, Queens lookout S. 80° E., Europa Pt. tangent S. 3/4° E., and signal mast S. 45° E., Shire head S.E. by E., all bearings by standard compass. H.M.S. "Europa" came in at 12:15 and fired a salute of 11 guns, which was answered with 7 guns by H.M.S. "Juno". An officer from H.M.S. St. George made boarding visit to this ship, which was returned by an officer from this ship about 2:00, who also made boarding visit to H.M.S. "Europa". An officer was sent to the U.S. Consul to report the arrival of this ship in port. The Commanding Officer called officially on Commodore Poe, R.N. (Flagship "St. George") and the Commanding Officers of H.M.S. St. George" "Juno" and "Anson". At 3:00 H.M.S. "Europa" got underway, homeward bound pennant flying, and stood out of the harbor. Set fires 2d out under boilers "A" & "B", retaining 10 inches for distilling. Delivered 6 S.B. #, 11045 to Fritz Bronberger, Pay.

A. H. Mannion
Ensign, U.S.N.

4 to 8 P.M.

Fair to clear and cool. Light to gentle W.S.W. breeze. Barometer rising. North German Lloyd steamer "Werra" left the harbor at 6:30. Moon rose at 7:45.

Chas. T. Hanks
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Bright moonlight. Light to freshening to gentle breeze W.S.W. shifting to West. Barometer steady.

A. H. Mannion
Ensign, U.S.N.

Examined and found to be correct

E. F. Leeper, Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, scale 10ths.	State of the Sea.
A. M.																		
1	At anchor			W.S.W.	W.S.W.	3			30 15	62	52	54		bcw	a.cu		3	
2					"	3			30 16	61	52	51		"	"		5	
3				West	"	3			30 17	60	63	52		"	"		7	
4				"	W.N.W.	3			30 17	60	53	52		ocw	a.m.		10	
5				S. by W.	Calm.	0			30 19	64	54	53		bc.	a.cu		7	
6				S.W. by S.	W.N.W.	1			30 20	64	54	53		"	"		7	
7				"	"	2			30 23	64	55	54		"	"		8	
8				N.W.	"	3			30 25	66	55	54		"	cu.		7	
9				"	N.W.	3			30 28	69	58	56		"	"		5	
10				N.N.W.	W.N.W.	3-4			30 31	69	58	56		"	cu.n		5	
11				West	"	3-4			30 31	72	59	57		"	"		5	
Noon.				"	"	3-4			30 31	72	60	57		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 70— 67 66

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 25500 "

Coal consumed during the preceding 24 hours, 1 tons, 1600 lbs.

Coal remaining on hand at noon, 163 " 2076 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, scale 10ths.	State of the Sea.
P. M.	At anchor.																	
1				SW	N.W.	4			30 29	74	62	59		bc.	cu.		3	
2				W.S.W.	"	4			30 30	73	63	61		"	"		4	
3				West	W.N.W.	3			30 31	72	65	62		"	"		4	
4				W. by S.	"	3-4			30 31	70	61	57		"	"		4	
5				West	"	2			30 32	71	58	57		"	"		4	
6				"	"	2			30 32	71	58	57		"	"		4	
7				NW	N.W.	2			30 32	69	55	55		"	cu.n		4	
8				"	"	2			30 34	69	55	55		"	cu.		4	
9				N. by E.	Calm.	0			30 35	68	53	53		bcw	a.cu		3	
10				N.N.W.	N.N.W.	1			30 35	67	53	53		"	"		1	
11				"	"	1			30 35	66	52	52		bw	mist		0	
Mid.				"	"	1			30 35	65	51	51		"	"		0	

4-25

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, December 20th, , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to cloudy and overcast. Gentle W.S.W'ly breezes first part, and gentle W.N.W'ly breezes remainder. Barometer rising. Moonlight.

Ragnld Earle,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and cool. Calms to gentle breezes from W.N.W. Barometer rising. At 7.00 two coal lighters came alongside and coaling was started. Received in Pay Dept. for issue to the crew the following fresh provisions: 159 lbs of bread, and 193½ lbs of beef and vegetables. Several freighters came into port.

Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Gentle breezes from N.W. and gentle to moderate breezes in squalls from W.N.W. Barometer nearly steady. No absentees at 9.30. Order of the Commanding Officer released T. Donovan (A.3.C.) this term of confinement having expired. Commodore Post U.S.N. returned the call of the Commanding Officer. The Commanding Officers of the "Juno", "Minerva", and "Anson" called officially on the Commanding Officer of this ship. Coaling ship received on board 100 tons of coal. Punishments awarded by the Commanding Officer: N. O. Innes (A.3.C.) and O. F. Hellinga (A.3.C.), continual disregard of orders, 5 days confinement on bread and water each; L. A. Frank (A.3.C.), 8 hours extra duty, G. W. Kopp (A.3.C.) reduced to second conduct class, and J. J. Boyen (A.3.C.), reduced to second conduct class, for continual disregard of orders; F. McCarty (Flds.), having another person's property in his possession, reduced to second conduct class; L. Placht (A.3.C.), spitting from aloft, reduced to second conduct class.

W. J. Manion,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Moderate to gentle N.W. and W.N.W'ly breezes. Barometer rising. Finished coaling at 11.30 having received on board 114 tons 190 lbs of Welsh coal. Cleaned ship. The Captain called on the U.S. Consul. Received on board for transfer to U.S. with bag, hammock and papers N. W. Reed, Sea., from the Colonial Hospital, he having been left there ill by the U.S.S. Marietta.

Ragnld Earle.
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light breezes from W.N.W. to N.W. Barometer rising slowly towards end of watch.

W. J. Manion,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Calm to light N.N.W. 'ly airs. The moon rose at 8.15.

Ragnld Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			N.N.W.	N.W.	2			30.34	60	50	50		bw.	cu.		2	
2				"	"	1			30.34	60	50	50		"	"		2	
3				"	"	1			30.34	60	50	50		"	"		3	
4				South	S.W.	2			30.34	62	51	50		"	"		1	
5				S.W. by W.	"	1			30.32	64	49	49		"	"		1	
6				S.W.	"	1			30.32	63	48	49		"	"		1	
7				N.W.	North	2			30.33	65	49	49		bc.	ci-cu		3	
8				"	N.W.	2			30.33	61	50	49		"	"		2	
9				"	"	2			30.33	61	52	50		"	"		4	
10				North	Calm	0			30.33	62	54	52		"	"		5	
11				"	"	0			30.33	64	56	56		"	"		5	
Noon.				N.E.	"	0			30.34	65	58	57		"	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Alt.
71 — 68-66

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 750 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 2160 lbs.

Coal remaining on hand at noon, 162 " 2156 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, 0 to 10.	State of the Sea.
P. M.	At anchor																	
1				S. by E.	S.E.	2			30.34	72	64	61		bc.	ci-cu		5	
2				"	E.S.E.	2			30.35	75	62	59		"	"		5	
3				"	"	2			30.35	75	65	62		"	Str-cu		4	
4				"	"	2			30.36	77	61	59		"	"		5	
5				S. by W.	Calm	0			30.35	75	59	58		"	ci-cu		4	
6				S.E. by S.	S.E.	0-3			30.35	74	58	57		bcw	"		1	
7				S.W.	East	1-2			30.35	72	58	57		"	"		1	
8				W.N.W.	"	1-3			30.34	72	58	57		"	"		1	
9				"	N.E.	2			30.35	70	58	56		bw.	None		0	
10				N.N.E.	"	2			30.34	68	55	55		bcw	acu		3	
11				"	"	2			30.34	67	55	55		"	"		5	
Mid.				N.E. by N.	"	2			30.33	67	55	55		"	cu-m		5	

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, December 21st , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM

Fair and pleasant. Light breezes and airs from N.W. to S.W.

C.M. Fahs
Lieut, U.S.N.

4 to 8 AM.

Clear and pleasant. Heavy dew first two hours. Light airs from S.W. and light breezes from North and N.W. Barometer about steady. Received in the Department of Supplies and Accounts the following fresh provisions: 159 lbs bread, 1983/4 lbs. meat, and 1951/4 lbs vegetables.

W.J. Hannon
Ensign, U.S.N.

8 AM. to Meridian

Cloudy and pleasant. Light N.W. by breezes first hour, calm remainder. At 9:30 mustered at quarters - no absentees. Held routine divisional drills. Instructed 5th division in lead and compass. The Commanding Officer called officially on the Governor of Gibraltar. The Commanding Officer assigned the following punishment:- J.D. Pettit, A.B.C., continual stupidity and neglect while on orderly watch, 16 hours extra duty. The Commanding Officer called officially on the Commanding Officer of the Naval Station.

Roscoe Bacon
Ensign, U.S.N.

Meridian to 4 PM.

Fair and pleasant. Light breeze from S.E. to S.S.E. Received Paymaster's stores from lighter. Received in Pay Dept. £997 - 10 English gold = $4854.33

C.M. Fahs
Lieut, U.S.N.

4 to 8 PM.

Clear and pleasant. Calms to light variable airs and breezes.

Roscoe Bacon
Ensign, U.S.N.

8 PM. to Midnight

Fair and pleasant. Light N.E. breeze. Moon rose at 9:15.

C.M. Fahs
Lieut, U.S.N.

Examined and found to be correct.

E.F. Leiper.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forth.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	At anchor.			N. E.	N. E.	1			30 32	68	55	54		bcw	cu		3	
2				"	"	1			30 32	68	55	55		"	"		4	
3				E. S. E.	"	1			30 32	69	57	54		"	a-cu		4	
4				South	N. N. E.	1			30 31	69	54	53		"	"		7	
5				S. S. W.	"	1			30 31	68	54	53		"	"		7	
6				South	N. E.	2			30 32	70	54	53		"	"		8	
7				S. E. by S.	"	3			30 32	69	54	53		bc.	"		5	
8				North	"	2			30 33	67	55	54		"	cu.		5	
9				"	"	2			30 35	66	56	55		"	"		6	
10				N. N. E.	N. E. by E.	2			30 36	65	58	56		"	a-cu		6	
11				N. E.	E. N. E.	2			30 34	69	59	57		"	cu-s		8	
Noon.				"	"	2			30 33	72	59	57		"	"		8	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Comp.
Longitude by ° ′ ″ For'd Aft
70 — 67 66

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 8200 "

Coal consumed during the preceding 24 hours, / tons, 800 lbs.

Coal remaining on hand at noon, 161 " 1356 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forth.	CLOUDS. Amount, 0 to 10.	State of the Sea.
P. M.	At anchor																	
1				S. E.	N. E.	3			30 32	72	59	57		bc	cu-cu		9	
2				S. by E.	S. E.	3			30 30	68	59	59		"	"		8	
3				"	"	3			30 29	68	62	59		"	"		7	
4				"	"	3			30 29	65	60	59		"	"		8	
5				S. S. W.	S. S. E.	2			30 29	66	58	58		bcw	a-cu		7	
6				"	"	2			30 30	67	58	58		"	cu-m.		9	
7				"	"	3			30 30	67	58	58		"	"		6	
8				"	East	3			30 31	68	58	58		"	a-cu		4	
9				East	"	3			30 32	68	58	58		bc	"		6	
10				"	"	3			30 32	67	58	58		"	"		5	
11				E. by S.	"	3			30 32	67	58	58		"	"		5	
Mid.				East	"	3			30 32	64	58	58		"	cu-cu		7	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Friday, December 22nd, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.
Fair and pleasant. Light N.E. by airs. Barometer steady.
Ensign, U.S.N.

4. to 8. A.M.
Cloudy and pleasant. Light airs to gentle breeze from N.N.E. to N.E. Received in Pay Dept., 159 lbs of fresh bread and 198¾ lbs each of fresh meat and vegetables.
Ralph Earle
Ensign, U.S.N.

8. A.M. to Meridian.
Cloudy and pleasant. Light breeze from N.E. to E.N.E. The Commander awarded the following punishments: A. Ad. O'Neal (App.s.c), N.C. Soler (App.s.c), E.C. Magaun (App.s.c), J. Whelan (App.s.c), R. Perino (App.s.c), all for failing to man their boat promptly when called away, 6 hours extra duty each. At 9.30 went to General Quarters; all divisions ready in 4 minutes, secured in 4 minutes. M. Anderson (B.M. 2c) reported the expiration of his enlistment. Tested magazine and shell room flood cocks and found them in good condition. At 10.15 hoisted sail to dry. Receiving water into the boilers from a water lighter. The Aide to the Governor of Gibraltar paid an official visit to the Commander.
C.M. Oaks
Lieut, U.S.N.

Meridian to 4 P.M.
Cloudy and pleasant. Gentle breeze from N.E. to S.E. Barometer falling slowly. At 1.00 furled sail. At 1.30 started fires under boiler #1. M. Anderson (B.M. 2c) was this day discharged by reason of the expiration of his enlistment. Several steamers came into port.
Ensign, U.S.N.

4. to 8. P.M.
Fair to cloudy. Light breeze from S.S.E. to gentle breeze from East.
C.M. Oaks
Lieut, U.S.N.

8. P.M. to Midnight.
Cloudy and cool. Gentle breeze from East. Barometer steady.
Moon rose at 10.30.
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

4-885

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount, eastwards.	State of the Sea.
A. M.																		
1	At anchor			E by S.	East	3-4			30 30	62	58	58		brw	cum		8	
2				"	"	3-4			30 30	61	58	58		"	"		5	
3				"	"	3-4			30 29	62	58	58		"	"		7	
4				"	"	4-5			30 29	64	58	58		brqw	"		7	
5				S. E. by S.	"	4			30 28	64	58	58		"	"		6	
6				"	"	4			30 28	64	58	58		br.	a-cu		5	
7				East.	"	4			30 30	66	58	57		"	"		5	
8				"	"	4			30 31	68	58	57		"	"		5	
9				E. N. E.	"	4			30 32	69	59	57		"	"		7	
10				"	"	4			30 33	71	59	57		"	"		8	
11				"	"	4			30 34	72	69	68		"	cum		9	
Noon.				"	E. N. E.	4-5			30 32	65	60	58		"	"		9	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Aft.
Longitude by ° ′ ″ For. Aft.

Position at noon: Latitude by observation ° ′ ″ 71 — 68-66
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 1900 lbs.

Coal remaining on hand at noon, 15-9 " 1696 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount, eastwards.	State of the Sea.
P. M.	At anchor.																	
1				E. N. E.	E. N. E.	4-5			30 32	70	60	59		br.	cu-cu		8	
2				East	East	3-5			30 32	71	61	59		"	ci-cu		6	
3				S. E.	"	4			30 33	71	60	59		"	"		7	
4				"	"	3-5			30 32	68	60	59		"	"		8	
5				"	"	4			30 33	66	58	58		"	"		5	
6				S. E. by E.	"	4-5			30 33	67	58	58		"	cum		5	
7				East	"	4-5			30 33	67	59	58		"	"		5	
8				"	"	4-5			30 34	66	60	58		"	"		7	
9				"	"	3-5			30 34	66	60	58		"	"		6	
10				E. S. E.	"	3-5			30 34	64	60	57		"	"		6	
11				East	"	3-5			30 33	65	60	58		"	cu		5	
Mid.				"	"	4			30 33	64	60	58		"	"		5	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, December 23rd, , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to cloudy, and cool. Moonlight. Gentle to stiff breezes in squalls from East. Barometer steady. Put over drift lead about 1:10.

W. J. Hamon
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and cool. Moderate breeze from East. Received on Pay Dept. for the crew fresh provisions as follows: 159 lbs. of bread, 198¾ lbs. meat, and 198¾ lbs. of vegetables. Commenced distilling at 7:00.

Chas Fahs
Lieut, U.S.N.

8 A.M. to Meridian

Cloudy and pleasant. Moderate breeze from East and E.N.E. Barometer fluctuating. Cleaning ship. J. Collins (M. At.) was released from confinement this term having expired. The Captain assigned the following punishments. T. J. Bowling (A.B.C.), Insolent to the Officer of the deck, 3 days solitary confinement on bread and water. A. Wallizer (A.B.C.), Contracting a loathesome disease, Quarantined for 2 months. J. Macfeat (A.B.C.), Loafing on spar deck out of uniform, 3 days extra duty. M. Anderson (B.M.2.C.) reenlisted this day for 4 years. Received on Equipment Department the following stores; 1 Bbl. slacked lime, 1 Bbl. Portland cement, 5 sheets of sand paper. Received on Engineer's Department following stores; 6 corn brooms, 6 whitewash brushes, 1 Bbl. lime. Absentees. M. Doran (B.M.2.C.), E. Le Jeune (Sea.), and A. J. Weberg (Pds.).

W. J. Hamon
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle to stiff breezes in squalls from E.N.E. and East. Barometer steady. Securing for sea. At 12:40 P.M. U.S.S. Scout came in and fired a salute of 11 guns, which was returned by a salute of 7 guns by U.S.S. Juno at 12:45. The Commanding Officer of the Dock Yard called officially on the Commanding Officer of this ship at 1:00. Bent to gallant sails and crossed to gallant yards.

W. J. Hamon
Ensign, U.S.N.

4 to 8 P.M.

Cloudy and pleasant. Moderate breeze from East with stiff squalls. Barometer steady. At 4:15 Brazilian Battleship "Marechall Deodoro" came into port, saluted with 21 guns, which was returned by the shore battery. A boarding officer was sent on board. At 5:15 she changed her berth. M. Doran (B.M.2.C.) returned on board 7½ hours overtime.

W. J. Hamon
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Gentle to stiff breezes in squalls from East, steady moderate breeze last hour. Barometer steady. Moon rose about 11:10. Put over drift lead about 8:15.

W. J. Hamon
Ensign, U.S.N.

Examined and found to be correct.

Head Navigator.

4-985

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Gibraltar.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				East	East	4			30 33	64	58	58		bc.	cu.		6	
2					"	4-5			30 33	64	58	58		"	"		7	
3				E by N.	"	4-5			30 34	65	58	58		oc	"		10	
4				E by S	"	4-5			30 33	65	59	58		"	"		10	
5				East	"	4-6			30 33	68	59	58		"	cu-m.		10	
6				E by S	"	4-6			30 33	67	59	58		"	"		10	
7					"	4-6			30 34	69	59	58		"	"		10	
8				E by S.	"	4-6			30 35	67	59	58		"	"		10	
9	45		67.0		"	4-6			30 37	67	60	58		"	"		10	
10	2	0	69.0	Various	"	5			30 37	67	61	58		"	"		10	S.
11	2	0	71.0	West	"	5			30 34	67	61	58		"	"		10	m.
Noon.	2	0	73.0	West W. by N.	"	6			30 31	69	65	62		bc	"		8	"

Position at 8 A. M. { Latitude by ° ' " Mag. Temp
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation bearings 35° 55' 45" N. 69- 67-65
Longitude by observation bearings 5° 47' 30" W.
Latitude by D. R. 35° 55' 45" N.
Longitude by D. R. 5° 47' 30" W.

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 26.8 miles.

Distance by Log since preceding noon: 22.5 miles.

Current per hour: — miles, set — true.

Position at 8 P. M. { Latitude by D.R. 35° 35' 45" N.
Longitude by D.R. 6° 56' 00" W.

Variation of compass:
Error of compass observed at } No observations.
Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2800 "

Coal consumed during the preceding 24 hours, 4 tons, 1540 lbs.

Coal remaining on hand at noon, 154 " 2096 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	9	4	98.9	W ½ N.	E.S.E.	6			30 28	71	65	62		bcm.	ci-cu		6	m
2	8	9	7.8	"	"	6			30 27	72	65	62		"	"		6	"
3	8	1	15.9	"	"	5-6			30 27	74	63	61		bc	cu-m.		7	"
4	7	0	22.9	"	"	5			30 27	74	62	60		"	m-cu.		6	"
5	6	5	29.7	"	"	5			30 28	74	62	60		"	c.		9	"
6	6	8	36.5	"	"	5			30 27	74	62	60		"	"		9	"
7	6	6	43.1	"	"	5			30 28	74	62	60		"	"		9	"
8	6	8	49.4	"	"	5			30 27	74	62	60		"	"		9	"
9	6	2	55.6	"	"	4			30 27	74	62	62		bc	mc		0	"
10	5	3	60.9	"	S.E.	4			30 27	74	62	62		"	"		0	"
11	3	4	64.3	"	S.E.	3			30 28	73	62	62		bw	"		0	"
Mid.	2	3	66.6	"	"	2			30 28	73	62	62		"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, December 24th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and overcast. Moderate to stiff Easterly breezes.

Joseph Eaves,
Ensign, USN.

4 to 8 A.M.

Cloudy and pleasant. Moderate breeze from East, with fresh squalls. Barometer rising slowly. Finished securing for sea and made preparations to get underway. At 4:00 started fires under Boilers "B" & "C". B. Le Jeune (Sea) and A. J. Weberg (Fds) returned from liberty 24 hours overstayed.

Francis Gill
Ensign, U.S.N.

8 A.M. to Meridian.

Generally overcast and cloudy, and pleasant. Moderate to fresh breezes from East. Barometer falling. At 9:00 E. G. Wellings (A.S.C.) and R. C. Innes (A.S.C.) were released, their terms of confinement having expired. Punishments awarded by the Commanding Officer: M. Doran (Bn. QC.), over leave 9½ hours reduced to second conduct class; A. J. Weberg (Fds) 24 hours over leave, 5 days solitary confinement on bread and water. A salute of 11 guns was fired by the Brazilian man-of-war "Marechal de Deodoro", English flag at the fore, which was returned by U.S.S. "Juno" gun for gun, Brazilian flag at the fore. At 9:30 mustered at quarters. No absentees. Called all hands "up anchor" at 8:55 and at 9:15 got underway. Draft forward 14'-6"; amidships 16'-6"; aft 16'-9". Passed U.S.S. "Canopus" about 9:30 standing into Gibraltar. At 9:45 spun over p. l. reading 67.0. On various courses standing out from Gibraltar. At 11:05 Carla to bear Broad off starboard bow (P.L. 79.6) and at 11:10 it was abeam distant 1.1 miles (P.L. 50.7). At 11:15 changed course to W. ½ N. (P.L. 51.7). At 12:05 called all hands "make sail". Set fore and aft sail, and took in sheathy (except fore topmast staysail) having changed course, and set topsails and topgallant sails. At 11:40 stopped engine and uncoupled propellor and banked fires under boilers "B" & "C", retaining "A" in use for distilling. At end of watch under sail alone, fore and main topsails and topgallant sails, and fore topmast staysail. Average steam pressure 69 lbs., average revolutions 46.9.

W. J. Hamon
Ensign, USN.

Meridian to 4 P.M.

Cloudy and pleasant. Stiff to fresh S.S.E. by breeze. Rolling easily 6 times per minute, max. 15° stbd., and 15° port, sea astern. At 3:00 stopped distilling and allowed fires under boiler A to die out. Four sail in sight on port hand bound to W.d. Passed two steamers bound to E.d. Cape Spartel was abeam at 11:05, distant 6 miles. Under same sail as previous watch on course W. ½ N. (P.S.C.) Log 22.9.

Ralph Eaves,
Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Stiff S.S.E. breeze. Ship steady. Course W. ½ N. (P.S.C.). Under topgallant sails, topsails, forecastle and fore topmast staysail. Let fires die down under boilers B & C. A number of sail in sight during the watch.

C. W. Parks
Lieut, USN.

8 to 8 P.M.

Cloudy first hour. Stars shining through at end of watch. Stiff S.S.E. breeze. Barometer steady. Course W. ½ N. (P.S.C.). Under same sail as in preceding watch. Light in sight on port beam at end of watch. Ship nearly steady.

Francis Gill
Ensign, USN.

8 P.M. to Midnight

Generally clear and pleasant, with heavy dew. Moderate breezes from S.S.E. and S.E. decreasing to gentle and light breezes from S.S.E. Barometer steady. At 9:30 set main topmast staysail, fore and main trysails. About 11:30 sighted vessels red side light two points on starboard quarter. On course W. ½ N. (P.S.C.) under sail alone, all sail except flying jib, royals and spanker.

W. J. Hamon
Ensign, USN.

Examined and found to be correct.

P. F. Lupes,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, as to 10.	State of the Sea.
A. M.																		
1	0	5	66.9	W. 1/8 N.	South	1			30 26	72	62	60		bc.	ci.		3	m.
2	0	5	66.9	"	Calm.	0			30 25	71	62	60		"	"		3	"
3	0	0	No steerage way.		"	0			30 25	70	62	60		"	"		4	"
4	0	0	"	" "	"	0			30 25	70	62	60		"	cu. s		5	"
5	0	0	"	" "	"	0			30 24	72	62	60		bcu.	"		5	S.
6	0	0	"	" "	"	0			30 22	74	62	60		"	"		5	"
7	0	0	"	" "	"	0			30 25	71	62	60		bc.	"		4	"
8	0	0	"	" "	"	0			30 25	71	62	60		"	"		4	"
9	3	1	69.0	W.	"	0			30 27	72	63	61		"	"		4	"
10	6	6	76.7	"	"	0			30 29	73	63	61		"	"		4	"
11	7	1	83.8	W. 1/4 N.	"	0			30 27	72	65	63		oc.	s. cu		10	"
Noon.	7	0	90.8	"	"	0			30 25	73	66	64		"	"		10	"

Position at 8 A. M. { Latitude by DR. 35° 30' 00" N. Mag Temp. 69-66
Longitude by Obs. 7° 22' 00" W. For. Aft

Position at noon: { Latitude by observation 35° 26' 36" N. 70
Longitude by observation 7° 46' 00" W.
Latitude by D. R. 35° 24' 00" N.
Longitude by D. R. 7° 45' 30" W.

Course made good since preceding noon: S. 71° W.

Distance made good since preceding noon: 103 miles.

Distance by Log since preceding noon: 101.3 miles.

Current per hour: — miles, set —— true.

Position at 8 P. M. { Latitude by 35° 11' 30" N.
Longitude by 8° 40' 00" W.

Variation of compass: from Pilot Chart 16° 30' W'ly.

Error of compass observed at 8:44 20° 49' W'ly

Deviation of compass on West 4° 19' W'ly.

Water expended during the preceding 24 hours, 450 gallons.

Water Distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, 2 tons, 2000 lbs.

Coal remaining on hand at noon, 152 " 96 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, as to 10.	State of the Sea.
P. M.																		
1	5	9	96.7	W 1/4 N.	Calm.	0			30 23	73	66	64		oc.	s. cu		10	S.
2	6	0	2.7	"	"	0			30 21	74	66	64		"	"		10	"
3	6	2	8.9	"	N. N. W.	0-1			30 21	73	66	64		"	"		10	"
4	6	1	15.0	"	"	0-1			30 21	73	65	63		"	"		10	"
5	5	0	20.0	"	N. W.	1			30 23	71	64	62		"	N.		10	L.
6	5	7	25.7	"	W. N. W	2			30 23	71	64	63		ocd.	"		10	"
7	5	6	31.3	"	West	2			30 23	74	64	63		oc.	"		10	"
8	6	0	37.3	"	W. N. W.	3			30 23	74	63	62		"	"		10	"
9	6	3	43.0	"	N. N. W.	3			30 22	74	62	62		"	"		10	"
10	6	4	49.4	"	North.	3			30 21	74	62	62		ocd.	"		10	"
11	6	6	56.0	"	"	3			30 17	74	62	62		"	"		10	"
Mid.	7	0	63.0	"	"	2			30 14	76	61	61		bcp.	"		9	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, December 25th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light South'ly airs first hour and calm remainder. Ship rolling easily about 6° each side six per minute. Hauled in patent log at 2 reading 669, not registering. A barkentine in sight on starboard beam. On course W. ½ N. (P.S.C.) until 2:30, after which no steerage way. Took in forecast, main topmast staysail, and main topsail at 2:45.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Calm. Ship nearly steady. Topgallantsails, topsails, fore topmast staysail, and jib set. No steerage way. Course W. ½ N. (P.S.C.). A number of sailing vessels in sight. At 7:40 took in the topgallantsails and furled them, and furled the forecast. Land of Africa in sight to the S.S.E.

C. M. Fahs
Lieut, U.S.N.

8 A.M. to Meridian.

Cloudy and pleasant. Calm. Barometer fluctuating. At 8:15 furled topsails and hauled down head sails, and started ahead on engines at 8:20. Put over patent log reading 670. Course W. ½ N. (P.S.C.) At 9:30 mustered at quarters, no absentees. The Captain assigned the following punishments. M. Erl (A.S.C.) and E. D. Frazee (A.S.C.), Shirking, 3 days confinement on bread and water. T. Macfeat (A.S.C.) Gross insolence to and assaulting a P.O. 4th Class. By order of the Captain T. J. Dowling (A.S.C.) was released from confinement. At 10:00 changed course to W. ¼ N. (P.S.C.). Numerous sailing vessels in sight. Ship steady. Set deck clock back 6 minutes. Steam 45. Revolutions 36.5.

Ensign, U.S.N.

Meridian to 4 P.M.

Overcast and cloudy, and pleasant. Calms and light airs from N.N.W. Barometer falling first part and then steady. Ship about steady. Under steam alone on course W. ½ N. (P.S.C.). Average steam pressure 43 lbs., average revolutions 36.5.

W. J. Manion
Ensign, U.S.N.

4 to 6 P.M.

Overcast and cloudy with light drizzling rain last hour. Light airs and breezes from N.W. to W.N.W. Ship rolling easily to swell on starboard quarter six per minute, max 12° each. and 11° port. Sighted a steamer bound to N'd. Under steam on course W. ½ N. (P.S.C.) log 675 at end of watch. Av. steam 40 Av. revs. 35.3

Ralph Earle,
Ensign, U.S.N.

6 to 8 P.M.

Overcast and rainy. Light to gentle breeze from West to W.N.W. Under steam alone Course W. ½ N. (P.S.C.). Steam 40. Revs. 35.3.

C. M. Fahs
Lieut, U.S.N.

8 P.M. to Midnight.

Overcast and cloudy. Gentle to light breeze from N.N.W. and North. Barometer falling. At 8:40 set fore and aft sail. At 9:45 set forecast and at 10:30 set topsails. Course W. ¼ N. (P.S.C.). Steaming. Steam 35. Revs. 34.8. Ship rolling easily 6° to port and 8° to starboard, 6 times per minute.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lemly
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, each form.	State of the Sea.
A. M.																		
1	5	7	68.7	W ¼ N.	N.N.W.	3			30 14	71	62	62		bcd.	cu.m		9	m
2	6	8	75.5	"		2			30 14	71	62	62		ocd.	"	"	10	"
3	6	8	82.3	"	Calm.	0			30 14	71	63	63		"	"	"	10	"
4	6	1	88.4	"	W.S.W.	1			30 12	71	64	63		"	"	"	10	"
5	6	1	94.5	"	W.N.W.	1			30 10	71	64	63		"	"	"	10	S.
6	6	1	100.6	"	W.S.W	1			30 09	71	63	63		ocr.	m	"	10	"
7	5	8	64	"	"	3			30 09	69	63	63		"	"	"	10	"
8	5	9	12.3	"	West	3			30 10	69	62	62		"	"	"	10	"
9	5	2	17.5	"	W.N.W.	3			30 11	70	62	62		"	"	"	10	L.
10	5	5	23.0	"	N.W.	3			30 13	70	62	62		"	"	"	10	"
11	6	5	29.5	"	N.N.W.	3			30 11	70	63	62		"	"	"	10	"
Noon.	7	1	36.6	"	"	3			30 08	67	63	62		bc.	cu.m		7	"

Position at 8 A. M. { Latitude by DR / Longitude by DR: 34° 47' 6" N. Mag. Temp. 10° 6' 30" W. Fod. Aft 67-65

Position at noon: { Latitude by observation: 34° 42' 30" N 69- / Longitude by observation: - ° - ' - " / Latitude by D. R.: 34° 39' 00" N. / Longitude by D. R.: 10° 35' 30" W.

Course made good since preceding noon: S. 68° W.

Distance made good since preceding noon: 145.8 miles.

Distance by Log since preceding noon: 145.8 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by Alt. Polaris: 34° 22' 54" N. / Longitude by Alt.: 11° 16' 45" W.

Variation of compass: from chart 17° 25' W'ly.

Error of compass observed at 3:52 21° 12' W'ly.

Deviation of compass on West 3° 47' W'ly.

Water expended during the preceding 24 hours, 45-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 21 00 "

Coal consumed during the preceding 24 hours, 9 tons, 2040 lbs.

Coal remaining on hand at noon, 142 " 896 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, each form.	State of the Sea.
P. M.																		
1	4	1	40.7	W ½ N.	North	3			30 07	67	63	62		bc.	bu.m		9	L
2	6	5	49.2	West	"	3			30 06	66	63	62		"	"	"	9	"
3	6	4	55.6	"	"	3			30 05	67	63	61		ocr.	"	"	10	"
4	6	0	61.6	"	NE	2			30 05	69	62	61		bc.	"	"	5	"
5	5	9	67.5	"	"	2			30 05	67	62	61		"	"	"	5	"
6	6	6	73.1	"	"	2			30 05	64	60	60		"	"	"	3	"
7	5	9	79.0	"	N.N.E.	2			30 05	65	60	60		"	"	"	3	M
8	6	6	85.6	"	"	3			30 05	65	61	60		bcw	"	"	3	"
9	4	7	90.3	"	N.E	3			30 04	66	62	60		bc.	cu.	"	2	L
10	3	2	93.5	"	E.N.E.	3			30 04	68	62	60		b.	mod	"	0	"
11	2	5	96.0	"	East	2-3			30 04	69	61	60		bc.	b-cu	"	2	"
Mid.	2	0	98.0	"	"	2			30 03	70	61	60		"	"	"	3	"

under the command of Commander Frank Curtis , U. S. Navy,

Tuesday, December 26th , 1899 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Overcast and cloudy, with drizzling rain. Moonlight after 2:00. Gentle decreasing to light breeze from N.N.W., then calm, and last hour light airs from W.S.W. Barometer steady, but falling slightly last hour. Took in and furled forecsail and topsails about 2:00, and then took in all the fore and aft sail. Sighted a steamer's white light, one point forward port beam about 2:00. Under steam alone at end of watch on course W. ¼ N. (P.S.C.). Ship rolling slightly at times. Average steam pressure 4 lbs. average revolution 36.

W. J. Manion
Ensign, U.S.N.

4. to 8. A.M.

Overcast, cloudy and rainy. Light to gentle variable airs and breezes. Ship rolling to swell on starboard beam, 6 per minute, 15° each side. Under steam on course W. ¼ N. (P.S.C.) Log 12.3 at end of watch. Av. steam 39. Av. revs. 35.3.

Ragnl. Earle,
Ensign, U.S.N.

8. A.M. to Meridian

Cloudy with frequent rains. Clearing last hour. Gentle breze from W.N.W. to N.N.W. Steaming on course W. ¼ N. (P.S.C.). At 9:30 inspected at quarters. Then sent down topgallant yards. At 10:00 set fore and aft sail and forecsail. At 10:30 clewed up the forecsail. The Commander awarded the following punishments: P.C. Franke (Appr. 3.C.) spitting on deck, 6 hours extra duty; the following, for not showing away their colors after the word had been repeatedly passed, as noted: A.C. Berry, A. J. Hines, A. Lundgren, L.A. Frank (Appr. 3.C.) 16 hours extra duty each; and P.J. Clowry, C. Barnes, R.J. Martin, R.N. Calhoun, L.C. Strut, W.J. Healey, and L. Franke (Appr. 3.C.), each to be quarantined at the next port. Ship rolling at times 11° to port and 10° to stbd., 6 times per minute, to swell on stbd. beam. Av. steam 40. Revs. 36.5. Set clock back 5 minutes.

C. McTaks
Lieut. U.S.N.

Meridian to 4. P.M.

Overcast to cloudy. Clearing last hour. Gentle to light breeze from North and N.E. Barometer falling. At 1:15 set forecsail and took it in again at 1:50. At 2:30 set forecsail and at 3:45 set fore topcsail. At 3:15 set main topcsail. At 3:30 took in all square sail and main topmast staysail, and furled topcsails. Steaming course West after 12:30, W. ¼ N. before that. Steam 35. Revs. 28. Ship rolling 12° to port & 10° to stbd. to long swell on stbd beam.

Wm. Blue
Ensign, U.S.N.

4. to 6. P.M.

Cloudy and pleasant. Light breezes from N.E. Barometer steady. At 5:00 called all hands and sent up and crossed topgallant yards. Under steam and following sail: fore topmast staysail, fob, main topsail, and spanker. On course West (P.S.C.). Ship rolling 10° to starboard and 10° to port to long swell on starboard beam. Average steam pressure 35 lbs., average revolutions 32.3.

W. J. Manion
Ensign, U.S.N.

6. to 8. P.M.

Fair and pleasant. Light to gentle N.N.E. to breezes. Barometer steady. Ship rolling 6 per minute, max. 10° stbd., 10° port sea on stbd. beam. At 7:37 went to fire quarters, divisions ready as follows:- Nos. 4 min.; Powder 1 min.; 4th 2 min.; 1st 2 min.; 2d 2½ min.; 3d 3 min.; 5th 4 min. Secured at 7:49 in 6 minutes. At 7:55 set forecsail, fore topcsail, and main topmast staysail. On course West (P.S.C.) under steam and fore and aft sail, foretopcsail and forecsail. Average steam 42. Average revolutions 34.8.

Ragnl. Earle,
Ensign, U.S.N.

8. P.M. to Midnight

Fair and pleasant. Gentle to light breezes from N.E. to East. At 8:05 set fore topgallant sail, main topcsail, and main topgallantsail. At 8:30 unshackled the propeller and let fires die down. At 10:00 took in main topmast staysail, main topsail and spanker. Course West (P.S.C.). Ship rolling at times 12° to each side, 6 per minute to sea on stbd beam.

C. McTaks
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leyden.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Madeira

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Course.	CLOUDS. Amount, allowed.	State of the Sea.
	A. M.																		
By Chip	1	1	5	99.0	West	E.S.E.	2			30.02	70	60	60		bc	2 cu		3	2
"	2	1	2	100.1	"	"	1			30.02	70	60	60		"	"		2	"
"	3	0	8	100.5	"	"	1			30.01	70	60	60		"	"		1	"
"	4	0	5	–	"	"	1			30.00	70	60	60		"	"		2	"
"	5	0	5	–	"	"	1			29.98	71	61	60		"	cu		1	"
"	6	0	3	–	"	"	0-1			29.98	71	61	60		"	"		1	"
"	7	0	4	–	"	"	0-1			29.98	72	62	60		"	"		2	"
"	8	1	0	–	"	"	1			29.98	70	62	60		"	"		3	"
"	9	1	0	0.8	"	"	2			29.99	71	60	62		"	"		3	"
"	10	1	0	–	"	"	2			30.00	73	67	65		"	"		3	"
"	11	1	4	0.2	"	"	2			29.99	74	68	66		"	"		8	"
"	Noon.	1	4	0.5	"	"	2			29.96	75	68	66		"	"		7	"

Position at 8 A. M. { Latitude by dbl. 34° 16' 24" N. Mag Temp Aft.
Longitude by lbs. 11° 37' 15" W. For. 68-67

Position at noon: { Latitude by observation 34° 11' 49" N. 70 –
Longitude by observation 11° 44' 15" W.
Latitude by D. R. 34° 15' 00" N.
Longitude by D. R. 11° 43' 39" W.

Course made good since preceding noon: S. 66° W.

Distance made good since preceding noon: 75.3 miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.1 miles, set S. 8° W. true.

Position at 8 P. M. { Latitude by dbl. 34° 5' 00" N.
Longitude by lbs. 12° 4' 45" W.

Variation of compass: from chart. 17° 35' W'ly

Error of compass observed at 8:51 21° 47' W'ly

Deviation of compass on West 4° 12' W'ly.

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 250 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 5 tons, 100 lbs.

Coal remaining on hand at noon, 137 " 196 "

P. M.																			
1	1	3	0.7 / 0.7	West / W. ½ N.	E.S.E.	2			29.93	75	68	66		bc	cu		5	2
2	1	5	0.9	"	"	2			29.92	76	68	66		"	"		5	"
3	1	0	0.9	"	S.S.E.	1			29.91	76	68	66		"	a-cu		5	"
4	0	9	1.0	"	"	1			29.91	75	67	65		"	"		5	"
5	0	9	1.2	"	South	1			29.90	71	67	65		"	"		5	"
6	3	0	4.2	"	S by W.	1			29.89	71	65	63		"	cu		2	"
7	6	3	10.5	"	"	1			29.90	71	64	63		"	"		4	"
8	6	5	16.6	"	"	1			29.90	70	64	63		"	"		4	"
9	5	8	22.4	"	W.S.W.	2			29.89	68	64	63		"	a-cu		3	"
10	6	2	28.6	"	W.S.W.	2			29.89	68	64	62		"	"		2	"
11	5	8	34.4	"	"	3			29.88	67	64	62		bc	mu		0	"
Mid.	5	5	39.9	"	"	3			29.88	67	64	62		"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, December 27th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and wind 4 A.M.

Clear and pleasant. Light breezes and airs from S.S.E. Barometer falling. At 5:00 moon rose. At 8:00 finished distilling and banked fires under boiler which was in use. Course West (P.S.C.) under same sail as at end of preceding watch. Ship rolling to long swell on stbd beam. Max. 17° to stbd. 20° to port about 5 times per minute.

4 to 8 A.M.

Geo. Blue
Ensign, USN.

Clear and pleasant. Bright moonlight. Calm and light airs from S.S.E. Barometer steady. The patent log not registering, hauled it in at 6:30 reading 100.7. At 6:30 sighted a steamer 8 points on port quarter. Set out to windward. Hauled down jib about 7:50. Ship rolling 6 times per minute, 15° each side at intervals to long swell on starboard beam. At sailing vessel was sighted one point on port bow about 7:50. Under sail alone, topsails, t'gallantsails, foresail and fore topmast staysail, on course West (P.S.C.).

W. F. Manson
Ensign, USN

8 A.M. to Meridian.

Fair and pleasant. Light S.S.E. & by E. breezes. Barometer falling. At 9:30 mustered at quarters and held routine drills. At 9:40 called "abandon ship" boats ready as follows:- sailing launch in 2 min.; 2d cutter in 2½ min.; dinghey in 2¼ min.; gig in 3 min.; 1st cutter in 3½ min.; steam launch in 4 min.; whale boat in 4½ min. The Commanding Officer assigned the following punishments:- J. A. Bond, A.S.C., using disrespectful language to Master at Arms, 4 hours extra duty; F. W. Rapp (A.S.C.) inattentive at drill, 4 hours extra duty. Put over patent log at 10:00 reading 0. Ship rolling easily 6 per minute to swell on starboard beam, 22° stbd, and 1° port, max. Air course West (P.S.C.) under topsails, topgallant sails, foresail and fore topmast staysail, Log 0.5 at end of watch.

Ralph Earle,
Ensign, USN

Meridian to 4 P.M.

Fair and pleasant. Light breezes and airs from S.S.E. to S.S.E. Under topgallantsails, topsails, fore topmast staysail, foresail. At 2:00 set main trysail. Ship rolling at times 15° to stbd. and 17° to port, six rolls per minute to swell on stbd beam. Course West (P.S.C.). At 3:30 changed course to W. ¼ N. (P.S.C.).

Chas Lake
Lieut, USN

4. to 6 P.M.

Clear and pleasant. Light airs from South and S. by W. Barometer falling slowly. At 4:40 set jib. At 5:15 mustered at quarters. At 5:20 called all hands shorten sail. Took in and furled sail, went ahead on engine at 5:30. Course W. ¼ N. (P.S.C.). Ship rolling to swell on stbd. beam, max. 15° to port and 17° to stbd, 6 times per minute.

Geo. Blue
Ensign, USN

6. to 8 P.M.

Clear and pleasant. Light airs from S. by W. Barometer steady. Under steam alone on course W. ¼ N. (P.S.C.). Ship rolling to swell on starboard beam about 4° to each side, 5 times per minute. Average steam pressure #7 lbs., average revolutions 35.6.

W. F. Manson
Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Light to gentle West'ly and W.S.W'ly breezes. Barometer falling. Ship rolling to swell on starboard beam 6 times per minute, max. of 23° stbd. and 21° port. Passed a sailing ship bound S.W. Under steam, on course W. ¼ N. (P.S.C.) Log 39.9, at end of watch. Av. steam 42.5. Av. rev. 36.

Ralph Earle,
Ensign, USN

Examined and found to be correct.

F. F. Lester.
Lieut Navigator.

4-200

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount observed.	State of the Sea.
A. M.																		
1	4	4	44.3	W. ¼ N.	West	3			29 85	66	64	62		bc	cu		1	2
2	5	0	49.3	"	"	3			29 85	66	64	62		"	"		1	"
3	5	1	54.4	"	"	3			29 85	67	64	62		"	"		3	"
4	4	4	58.8	"	"	4			29 85	68	64	62		"	cu m.		5	"
5	3	6	62.4	"	"	4			29 84	69	64	62		"	"		4	"
6	3	4	65.8	"	"	4			29 85	69	64	62		"	"		4	C
7	3	5	69.3	"	"	5			29 86	69	64	62		"	"		4	"
8	2	7	72.0	"	"	5			29 88	69	66	64		"	"		5	"
9	1	9	73.9	"	"	5			29 91	69	66	64		"	"		8	m.
10	3	4	77.3	"	"	4-5			29 93	73	67	64		bcd	"		6	"
11	3	7	81.0	"	"	6			29 93	74	68	64		"	"		3	"
Noon.	3	0	84.0	"	"	6			29 93	75	69	65		bc	cu m.		3	"

Position at 8 A. M. { Latitude by dlR / Longitude by Alm. } 33° 47' 00" N. Mag Temp 13° 08' 00" W. Bar. 67.5

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } 33° 44' 35" N. 70 — 67 66 / 13° 24' 00" W. / 33° 42' 48" N. / 13° 25' 15" W.

Course made good since preceding noon: S. 71° W.

Distance made good since preceding noon: 83. miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.2 miles, set N. 68° E. true.

Position at 8 P. M. { Latitude by dlR / Longitude by Alm. } 33° 50' 65" N. / 13° 22' 30" W.

Variation of compass: from chart 17° 50' Wly

Error of compass observed at 8.21 21° 51' Wly

Deviation of compass on W. ¼ N. 4° 00' Wly

Water expended during the preceding 24 hours, 45-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1450 "

Coal consumed during the preceding 24 hours, 8 tons, 380 lbs.

Coal remaining on hand at noon, 128 " 2056 "

P. M.						S. R.	Dev.									
1	2	0	W. ¼ N.	West	6	5°	1½	29 93	75	70	66	bc	Scu	4	m.
2	3	0	N. by W. ¾ W.	"	6	4°	1½	29 91	72	70	66	"	"	4	"
3	2	6	N. W.	"	6	5°	1½	29 92	71	70	65	"	cu m.	7	"
4	2	8	North.	"	5-6	5°	1½	29 93	68	67	64	bcfgg	"	9	"
5	2	4	N. by E. ½ E.	W. N. W.	3-5		1½	29 93	66	63	63	cbd	cu m.	10	"
6	0	7	N. by E.	N. W. by N.	3-4		1½	29 95	66	63	63	"	"	10	"
7	1	0	S. W. by W. ½ W.	N. W.	3		1½	29 96	64	63	62	bcf	cu m.	8	"
8	1	0	S. W. by W.	N. W. by W.	0-2		1½	29 99	65	63	62	"	"	4	"
9	2	0	"	"	3	3°	1½	30 02	65	63	62	"	"	7	"
10	1	7	"	N. W.	3	3°	1½	30 04	64	64	63	"	"	9	"
11	2	0	"	"	3	3°	1½	30 04	65	64	63	bc	"	8	"
Mid.	1	4	"	"	3	3°	1½	30 04	67	65	64	"	"	5	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, December 28th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and pleasant. Gentle to moderate breeze from West. Ship rolling 18° to each side at times, 6 rolls per minute, to long swell on stbd beam. Under steam alone. Course W ½ N. (P.S.C.) Steam 34. Revs. 32. Main rose at 3.12.

C. M. Fahs
Lieut, U.S.N.

4. to 8. A.M.

Fair and pleasant. Moderate to stiff breeze from West. Barometer rising. At 6.30 sent down topgallant yards. Steaming. Course W ½ N. (P.S.C.). Steam 36. Revs. 30.3. Ship rolling heavily to swell on stbd beam. Max. 12° to stbd, and 4° to port.

W. H. Stayton
Ensign, U.S.N.

8. A.M. to Meridian

Cloudy and rainy first two hours, clear and pleasant afterwards. Moderate to fresh breezes from West. Barometer rising. Cloudy at first, and steady latter part of watch. At 9.30 mustered at quarters (no absentees), after which the alarms were drilled as per routine. Exercised at "arm and away" (cutting out), call being sounded at 10.43. Boats reported ready as follows; whale boat, ½ minutes; 3rd cutter, 4½ minutes; 4th cutter, 5 minutes; 2d and 1st cutters, 5½ minutes. By order of the Commanding Officer at 9.00 released G. Q. Fragee (a.s.c.) and M. Ettl (a.s.c.), their terms of confinement having expired. At 11.15 set clock back 2½ minutes. Rove off new port fore lift. Ship rolling 8 times per minute, greatest roll noted 19° each side. Punishments awarded by the Commanding Officer: W. F. Towle (a.s.c.) gross insolence to a Petty Officer, - 3 days confinement on bread and water; J. J. Boyan (a.s.c.) using loud, profane and vulgar language and spitting on deck, - 3 days confinement on bread and water; A. La Barge (a.s.c.) and M.C. Edmondson (a.s.c.), neglect of duty, observing away under forecastle rail, - each reduced to second conduct class; and O. A. Thomette (ja.s.c.), using loud and profane language on gun deck, - reduced to second conduct class. On course W ½ N. (P.S.C.) under steam alone. Average steam pressure 37.5 lbs., average revolutions 33.1.

W. H. Stayton
Ensign, U.S.N.

Meridian to 4. P.M.

Fair and pleasant first half, cloudy remainder, with rain squalls last hour. Fresh to stiff West'ly breezes. Ship pitching easily to moderate sea on port bow with heel of 5° to stbd. At 1.15 changed course to N.d log 96.9 and made sail on port tack to single reefed topsails, foresail, fore topmast staysail, main trysail and fore & aft spanker. Uncoupled propeller, banked fires under 'B' boiler, and distilling with 'C' boiler at 1.29½ English steamer "Brunswick" passed bound to N.N.E. Held routine afternoon drills. Steering full and by on port tack making from N.N.W. to North.

Rooks Eades
Ensign, U.S.N.

4. to 6. P.M.

Overcast with frequent drizzling rains. Gentle breeze from W.N.W. shifting at 5.30 to N.W. by N. Course W. ½ N. (P.S.C.), but steering full and by. Single reefed topsails, foresail, fore topmast staysail, main trysail and fore of spanker set. Capt. Eades until 5.30 when I took charge of ship.

C. M. Fahs
Lieut, U.S.N.

6. to 8. P.M.

Cloudy to clear and pleasant. Light passing showers. Gentle breeze to light airs from N.W. and N.W. by W. Barometer rising. Full and by under same sail as in preceding watch, Starboard tack at 7.30. Sighted Light of steamer on stbd. bow. Ship rolling to moderate sea on stbd. beam. Max. roll 18° to stbd. and 18° to port, 5 rolls per minute.

W. H. Stayton
Ensign, U.S.N.

8. P.M. to Midnight.

Partly overcast and cloudy with light passing showers first part. Gentle breezes from N.W. by W. and N.W. Barometer rising slowly first part, then steady. Full and by under same sail as in preceding watch, starboard tack. Ship rolling to moderate sea on starboard beam, maximum roll 20° to port and 14° to starboard, rolling 5 times per minute. At 10.20 sighted steamer's white light 2 points on starboard bow. Steamer passed to eastward.

W. H. Mannon
Ensign, U.S.N.

Examined and found to be correct.

P. F. Leiper,
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Gibraltar to Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridn. form.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	2	1	4.7	SW by W.	N W by W.	3		1/2	30 05	69	65	65		bcd	a-m		9	m.
2	4	1	8.8	W 1/4 N.	"	4			30 05	69	65	64		"	"		9	"
3	4	0	12.8	"	"	4			30 06	69	65	63		"	"		7	"
4	4	0	16.8	"	N W	4			30 06	67	65	63		"	"		7	"
5	4	4	21.2	"	"	4			30 06	68	65	63		be	cu		7	f.
6	4	9	26.1	"	"	3			30 08	68	65	63		"	"		5	"
7	4	2	30.3	"	W. N. W.	3			30 10	68	65	63		"	"		5	"
8	4	5	34.8	"	N. W by W.	3			30 11	67	65	63		"	"		5	"
9	4	6	39.4	"	"	3			30 15	70	67	64		"	"		5	"
10	2 8 4 1	8 1	42.3 44.5	W. 3/4 N.	"	3			30 16	70	67	64		"	"		4	"
11	4	6	48.9	"	W. N. W.	3			30 15	79	68	64		"	a-m		2	"
Noon.	5	1	54.0	"	"	3			30 13	71	68	64		"	"		2	"

Position at 8 A. M.: Latitude by dlR. 33° 32' 25" N. Mag. Temp.
Longitude by dlo. 13° 30' 05" W. For'd Aft
Position at noon: Latitude by observation 33° 17' 52" N. 71- 68-69
Longitude by observation 14° 1' 00" W.
Latitude by D. R. 33° 27' 19" N.
Longitude by D. R. 14° 21' 45" W.
Course made good since preceding noon: S. 52° W.
Distance made good since preceding noon: 43.7 miles.
Distance by Log since preceding noon: miles.
Current per hour: 0.8 miles, set S. 61° E. true.
Position at 8 P. M.: Latitude by dlo. 33° 5' 42" N.
Longitude by dlo. 14° 5' 35" W.
Variation of compass: from chart 18° 10' W by
Error of compass observed at 3:46 00° 23' "
Deviation of compass on W. N. W. 3/4 W. 4° 13' "
Water expended during the preceding 24 hours, 45-0 gallons.
Water distilled during the preceding 24 hours, 700 "
Water remaining on hand fit for use at noon, 1700 "
Coal consumed during the preceding 24 hours, 7 tons, 1070 lbs.
Coal remaining on hand at noon, 121 " 986 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridn. form.	CLOUDS. Amount, 0 to 10.	State of the Sea.
P. M.																		
1	2 3	4	56.3 60.0	W. 3/4 N. W. N. W. 3/4 W.	W. N. W.	3			30 11	71	69	64		be	bu		3	I.
2	6	4	66.4	"	W. by	3			30 10	70	69	64		"	"		3	"
3	6	6	73.0	"	W.	3			30 09	70	69	65		"	"		3	"
4	6	5	79.5	"	W. by S.	3			30 09	70	68	64		"	"		4	"
5	6	1	85.6	"	"	3			30 09	70	67	64		"	"		6	"
6	6	1	91.7	"	"	3			30 09	72	66	64		"	"		6	"
7	6	4	98.1	"	S. W. by W.	3			30 10	73	66	64		"	a-m		2	-
8	6	8	4.9	W. by N.	"	3			30 09	70	66	64		"	"		3	"
9	5	3	11.3	W. 1/2 N.	W. S. W.	4			30 07	70	66	64		"	cu		3	"
10	6	5	17.8	"	S. W.	4			30 08	69	66	64		"	"		3	"
11	6	0	23.5	"	"	4-5			30 06	69	66	65		bcp	cu-m		4	"
Mid.	5	9	29.7	"	S. W. by W.	5			30 03	68	66	65		be	"		4	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, December 29th, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Gentle to moderate N.W. by W. by to N.W. by N. breeze. Ship rolling to sea on starboard bow about 6 times per minute, with max. of 23° port and 21° stbd. Steering full and by on stbd. tack under sail as in previous watch until 12:30, when took in and furled all sail, coupled up propellor, spread fires under boiler "B", stopped distilling with "C", and at 1:00 went ahead under steam on course W. ½ N. (P.S.C.) log 4.7. At 3:30 set fore and main topmast staysails, trysail and spanker. Sighted a steamer on stbd beam. Av. revs. 33. Av. steam 45.

Ralph P. Earle,
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Moderate to gentle breeze from N.W. to N.W. by W. Long swell on stbd. beam. Ship rolling deeply to at 6 times per minute. Max. roll 34° to stbd and 32° to port. Fore and aft sail set until 6:15 when it was all taken in. Steaming on course W. ½ N. (P.S.C.) Steam 42. Revs. 333.

C.W. Fahs
Lieut., U.S.N.

8 A.M. to Meridian

Clear and pleasant. Gentle breeze from N.W. by W. and W.N.W. Barometer fluctuating. Steaming. At 9:25 started fires under boiler A. At 9:30 mustered at quarters. At 9:45 changed course to W. ½ N. (P.S.C.) log 42.2. Ship rolling easily but deeply to long swell on starboard beam and bow. Max. 36° to port and 34° to stbd, 6 times per minute. Sighted two steamers. The Captain assigned the following punishments. E. Le Jeune (Seaman), Overstaying leave 24 hours, 5 days solitary confinement on bread and water. C. A. Eddings (A.B.C.) Loafing on gun deck while on watch, 2d Class. J. Robinson (A.B.C.) Lying and trifling conduct while on lookout, 4 hours extra duty. J. Kelly (A.B.C.) Failing to go to station at boom and sail, 3d Class. R. A. Roots (A.B.C.) Not relieving person on life buoy until ten minutes after watch was called, 4 hours extra duty. P. Curran (A.B.C.) Using disrespectful language to Master-at-Arms, 4 hours extra duty. C. A. Behrens (A.B.C.) Sleeping about deck, 4 hours extra duty. A. P. Nilsson (A.B.C.) Shirking, 3d Class. At 11:35 connected boiler "A".

Ralph P. Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Gentle breeze from W.N.W., West, and W. by S. Barometer falling slowly. Ship rolling 6 times per minute to long swell on starboard bow, bow set roll 32° to each side. Under steam alone. Average steam pressure 55 lbs.; average revolutions 43.2

W.W. Manion,
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant. Gentle W. by S. by breeze. Ship rolling six per minute to swell on starboard bow, max. 28° each side. At 5:15 mustered at quarters. Set jib and fore topmast stays'ls at 5:30. On course W.N.W. ¾ W. (P.S.C.) under steam, log 91.7 at end of watch. Av. steam 49 Av. revs. 46.

Ralph P. Earle
Ensign, U.S.N.

6 to 8 P.M.

Fair and pleasant. Gentle breeze from S.W. by W. Steaming with jib and fore topmast stays'l set. Course W.N.W. ¾ W. (P.S.C.) At 7:00 changed course to W. by N. (P.S.C.). Ship rolling deeply to swell on stbd bow; maximum roll 26° to port and 28° to stbd, 6 rolls per minute. Steam 50 Revs 41.5.

C.W. Fahs
Lieut., U.S.N.

8 P.M. to Midnight

Fair with occasional rain spells. Moderate to stiff breeze from W.S.W. to S.W. Barometer falling. At 8:15 changed course to W. ½ N. and hauled down jib and fore topmast staysail. At 10:30 set jib and fore and main topmast staysails, and at 11:50 took in jib and fore topmast staysail. Ship rolling easily and at times deeply to long swell on stbd beam, 6 times per minute. Max. roll 30° to stbd. & 25° to port. Steam 48. Revs 41.4.

W. Jewell
Ensign, U.S.N.

Examined and found to be correct.

P. F. Lupfer.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Gibraltar to Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	7	34.4	W. ½ N.	S.W. by W.	5			30.02	68	66	65		be.	cu-m		5	L
2	5	6	40.0	"	W. by W.	6			30.02	68	66	65		bep.	"		6	"
3	5	0	45.0	"	"	6			30.02	68	67	65		"	"		5	"
4	3	0	48.0	"	"	6			30.02	68	67	65		be.	"		6	"
5	2	6	50.6	"	"	4			29.99	70	67	65		"	"		7	"
6	8	0	53.6	"	"	5			29.99	70	67	65		oc.	"		10	"
7	4	2	57.8	"	"	6			29.98	70	67	66		be.	"		8	"
8	4	0	61.8	"	"	6			30.00	69	67	65		oeq.	"		10	"
9	4	5	66.3	"	"	6			30.03	70	68	65		be.	"		9	"
10	2	3	68.6															
	7	7	70.3	W. ½ S.	West	5			30.05	72	68	65		bep.	"		9	"
11	2	3	71.7															
	4	0	74.0	W.N.W.	N.W. by N.	5			30.06	74	68	65		"	"		8	"
Noon.	3	5	76.5															
	2	5	79.0	W. ½ S.	"	5			30.03	74	69	66		"	"		9	"

Position at 8 A. M.: Latitude by beamge. 32° 58′ 30″ N. Mag. Temp. Aft.
Longitude by " 15° 58′ 30″ W. For. 69=68.

Position at noon: Latitude by observation beamge 32° 53′ 00″ N. 70 –
Longitude by observation " 16° 18′ 00″ W.
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 125 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1205 "

Coal consumed during the preceding 24 hours, 16 tons, 1800 lbs.

Coal remaining on hand at noon, 105 " 1426 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	4	6	83.6	W. by S.	N.W. by W.	4			30.01	75	69	66		bep.			9	L
2	5	4	89.0															
	0	5	89.5	W. ½ S.	N.W.	4-6			30.03	73	69	66		oeq.			10	"
3	4	8	93.7															
	1	9	98.6	W. ⅛ S.	"	4-5			30.04	75	69	66		"			9	"
4	7	0	2.6	Various	"	2-5			30.03	75	71	67		be.			7	S.
5	7	0	9.6	W. ½ N.	W.N.W.	2-5			30.04	74	68	67		"			5	"
6	8	9	18.5	Various	"	2			30.05	73	66	64		"			2	"
7	At anchor.			W.S.W.	Calm.	0			30.05	73	63	62		"			4	"
8				West.	North.	1			30.05	72	60	59		"			9	"
9				"	W.S.W.	2			30.07	70	60	60		"			7	"
10				"	"	2			30.07	68	60	60		bcd.			8	"
11				"	"	3			30.06	65	60	60		"			8	"
Mid.				"	West.	2			30.05	64	60	60		"			7	"

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, December 30th , 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally fair with passing showers. Stiff breeze from SW by W increasing to fresh breezes from W.S.W. Barometer steady. The main topmast staysail not drawing well at 1:00 took it in and stowed it. Ship rolling 5 times per minute, greatest roll noted 30° to starboard and 27° to port. Under steam alone on course W½N. (Psc). Average steam pressure 49 lbs.; average revolutions 38.

A. H. Davison
Ensign, USN.

4 to 8. A.M.

Cloudy to overcast, with rain squalls last hour. Moderate increasing to fresh W.S.W. by breezes. Ship rolling at intervals 5 times per minute, max. of 24° stbd and 22° port, and pitching easily. Mountain rose at 5:15. At 6:30, daybreak, sighted island of Porto Santo bearing W. N. W., and at 7:30 sighted one of the Desertas bearing W.S.W. Under steam on course W½N. (P.S.C.) Log 61.8, at end of watch. Average steam 48. Av. revs. 35.9.

Ralph Earle
Ensign, USN

8 A.M. to Meridian.

Overcast with frequent rains. Fresh to stiff breeze from W.S.W. to N.W. by N. Course W½N. (P.S.C.). At 9:30 changed course to W½S. (P.S.C.), P.S. 68.6. At 10:30 changed course to W.N.W. (P.S.C.) P.L. 71.7. At 11:15 set deck clock back 9 minutes. At 11:30 changed course to W¼S. (P.S.C.) P.L. 76.5. At Noon changed course to W. by S. (P.S.C.) P.L. 79. Island of Porto Santo on stbd hand all the watch. Setting and taking in fore and aft sails as they would draw or not. Steam 45 Revs. 37.6.

C. M. Jahn
Lieut, USN.

Meridian to 4 P.M.

Overcast to fair with light passing rain showers first two hours. Light to fresh breeze from N.W. by W and N.W. Barometer steady. At 1:30 set main topmast staysail. At 1:55 changed course to W½S. (P.S.C.) par. log 89. At 2:45 changed course to W¼S. (P.S.C.) par. log 93.7. At 3:15 changed course to W½N., after that steering various courses. At end of watch steering W½N. (P.S.C.). Land in sight during all watch. Sighted Bona Island light house at 2:30. At 3:15 took in and furled fore and aft sail, made preparations for port. Ship rolling easily, 20° to port and 19° to starboard being maxs., 5 times per minute. Av steam 50. Revs. 39.8.

A. H. Davison
Ensign, USN.

4 to 8 P.M.

Generally fair and pleasant. Light to stiff breezes in squalls first hour, decreasing to calm and light airs from North. Barometer steady. At various courses into anchorage at Funchal, Madeira. Called all hands bring ship to anchor at 5:15. Took in patent log at 5:30 reading 12.6. At 5:56 let go port anchor and veered to 50 fathoms of chain in 76 fathoms of water, hard sandy bottom. Bearings at anchorage: Loo Rock Lt. N. 73° W.; landing Lts. North; ships head W.N.W. ½ W., all per standard compass. Allowed fires to die out under boiler "A", banked fires under boiler "B", and retained "D" in use for auxiliary purposes. Distilling. Average steam pressure 52.5; average revolutions 42.4.

A. H. Davison
Ensign, USN.

8 P.M. to Midnight

Fair to cloudy and pleasant. Light rains at times. Light to gentle W.S.W. by to Westerly breezes.

Ralph Earle
Ensign, USN.

Examined and found to be correct.

P. F. Leeper.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

At anchor, Funchal, Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At anchor.			W by S.	North.	1			30 02	65	61	61		bew.	cu.		4	
2				SW	"	1			30 01	66	61	61		betw	cu-m		5	
3				West.	"	1			30 01	65	61	61		"	"		4	
4				"	"	1			30 00	64	61	61		"	"		2	
5				N.W by N.	"	1			30 00	63	61	61		"	"		2	
6				"	"	1			30 00	63	61	61		"	"		3	
7				W by S.	"	1			30 00	63	61	61		ocm.	"		10	
8				N by W	"	0-1			30 01	66	60	60		ocr	Cu		10	
9				West	N.W.	1			30 03	67	59	59		bcr.	"		9	
10					Calm	0			30 01	69	59	59		bcr	"		9	
11				W S.W.	West	2			29 98	74	63	62		bc	"		9	
Noon.				W by S.	"	2			29 94	70	65	63		"	"		7	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Air

Longitude by ° ′ ″ 71 — 65-67

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 33.5 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 5 tons, 2200 lbs.

Coal remaining on hand at noon, 99 " 1466 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.	At anchor																	
1				S by W.	West.	2			29 92	70	65	63		bc	m.		7	
2					"	2			29 92	70	66	64		"	"		7	
3				West	"	2			29 92	69	61	61		ocr	"		10	
4				"	"	2			29 92	68	59	59		"	"		10	
5				N.W.	N.W.	1			29 89	67	56	56		bcd	cu-m		10	
6				W S.W.	"	1			29 89	67	56	56		bcd	cu-m		8	
7				N.W.	"	1			29 90	67	56	56		"	"		7	
8				N.N.E.	N.E.	3			29 91	67	56	56		bc	"		4	
9					"	3			29 91	64	54	54		"	"		2	
10				N.W by N.	North	2			29 91	63	54	54		"	"		3	
11					"	1			29 91	62	54	54		"	"		2	
Mid.				North.	"	1			29 91	62	54	54		"	"		4	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, December 31st, 1899.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs from North.

C. M. Fahs
Lieut, U.S.N.

4 to 8 A.M.

Generally overcast, cloudy and rainy. Light airs from North and calm. Barometer steady. At 8.00 fired a National salute of 21 guns, Portuguese flag at main truck, which salute was returned gun for gun by battery on shore.

W. H. Lamson
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy with heavy rain first two hours, clearing weather last hour. Calms to light airs and breezes from N.W. and West. Barometer falling. The American Consul called on board, an officer having been sent to communicate with him. The Chaplain held divine service. By order of the Commanding Officer placed A. P. Nolan, a.s.c., in solitary confinement on bread and water for 3 days, for attempting to steal bread from the baker; and released W. B. Towle and J. J. Bogan, as.s.c., from confinement their time having expired.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy to overcast with drizzling rain latter part. Light breeze from West. Barometer steady. The Captain of the Port called officially on the Commander.

C. M. Fahs
Lieut, U.S.N.

4 to 8 P.M.

Cloudy and rainy first three hours, fair and pleasant remainder. Light N.W. by airs and gentle N.E. by breezes.

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Gentle breeze from N.E. to light breezes and airs from N.E. Goodbye to the old year.

C. M. Fahs
Lieut, U.S.N.

APPROVED.

Frank Courtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

C. F. Lester
Lieut. Navigator.

4—25

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Funchal, Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1	At anchor			W.N.W.	N.W.	2			29.90	67	54	54		fair	cu.m.		7	
2					"	1			29.90	68	54	54		"	Sch.		7	
3				N.W. by N.	"	1			29.90	68	54	54		"	"		7	
4				West	"	2			29.89	68	54	54		"	"		8	
5				S. by W.	N.E.	2			29.89	68	54	54		ovcd.	N.		10	
6				"	North	2			29.89	69	54	53		"	"		10	
7				SW.	"	1			29.89	70	54	53		ovcd.	"		10	
8				N.N.E.	"	1			29.92	69	54	53		"	cu.m.		10	
9				N.N.W.	N.W.	2			29.96	69	56	54		bcd.	"		8	
10				N.E.	N.N.E.	2			29.97	70	58	55		fair	"		7	
11				SW.	Variable	1			29.97	71	62	60		"	"		5	
Noon.				"	West	3			29.97	72	62	60		begg.	"		7	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Tomb. For. Afr.
Longitude by ° ′ ″ 70– 69–68

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 265-0 "

Coal consumed during the preceding 24 hours, 1 tons, 2160 lbs.

Coal remaining on hand at noon, 145 " 176 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
P. M.	At anchor																	
1				S.S.W.	Variable	1-3			29.97	74	62	57		bcf.	cu.m.		7	
2				SW.	S.S.W.	2			29.99	73	62	58		"	"		8	
3				W.N.W.	N.W.	2			29.99	74	61	58		"	"		8	
4				West	Variable	2			30.01	76	63	60		"	"		7	
5				N.N.W.	"	2			30.02	70	63	60		"	"		7	
6				"	"	1-2			30.02	65	66	60		begcl.	"		7	
7				"	"	1-2			30.04	64	60	60		"	"		9	
8				"	"	1-2			30.04	62	59	58		"	"		9	
9				N.E.	"	1-2			30.04	60	54	53		"	"		9	
10				South	"	1-2			30.03	62	54	53		"	"		9	
11				W.S.W.	"	1-2			30.03	62	56	54		"	"		5	
Mid.				NW.	N.W.	3-5			30.02	62	58	55		begcl.	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and rainy. Light N.W. airs and breezes. Barometer steady.

Ensign, USN.

4 to 8. A.M.

Cloudy and overcast with rain and lightning. Light airs and breezes from N.E. and North. Received on Provisions 15.9 lbs of fresh bread, and 195½ lbs each of fresh meat and vegetables. Two coal lighters came alongside at 7.30.

Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant. Light variable airs and breezes to gentle breeze from West last hour. Barometer rose slightly. At 11.30 finished coaling having received on board 47 $\frac{570}{2240}$ tons of coal. At 12.50 the water lighter came to port side and the coal lighters left. At noon the battery on Roe Rock fired a salute of 21 guns.

Lieut, USN.

Meridian to 4 P.M.

Cloudy with frequent passing rain showers. Light variable airs and breezes. Barometer rising slowly. The Captain left the ship at 1.15 to return the call of the U.S. Consul and returned at 3. P. Loaded 121 saluting charges.

Ensign, USN.

4. to 8. P.M.

Cloudy and cool. Light variable breezes. Passing rain squalls with occasional thunder and lightning.

Lieut, USN.

8 P.M. to Midnight.

Cloudy and rainy. Light variable airs and breezes first three hours, Gentle breeze from N.W. with stiff squalls last hour. Barometer steady. Thunder first half and lightning most of watch. At 10.30 stopped distilling and banked fires.

Ensign, USN.

Examined and found to be correct.

F. F. Leiper,
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Funchal, Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving; form.	CLOUDS. Amount; scale 10 is.	State of the Sea.
A. M.																		
1	At anchor.			N.W.	N.W.	2-5			30 04	62	54	53		b.cl.	m.		8	
2				"	"	2			30 05	62	54	53		b.cl.	"		7	
3				"	"	2			30 06	62	54	52		"	"		7	
4				SW	SW	1			30 07	62	54	52		"	"		7	
5				W by S.	North	1			30 07	62	54	52		"	"		7	
6				West	"	1			30 08	59	54	52		b.cl.	cu.m.		7	
7				N.W. by N.	"	1			30 10	62	54	52		"	"		7	
8				South	"	1			30 11	60	53	52		b.c.	"		6	
9				"	"	1			30 13	62	54	54		"	bu		5	
10				"	"	1			30 16	64	59	56		"	"		5	
11				West	N.N.W.	2			30 16	66	61	59		"	"		4	
Noon.				W.N.W.	"	2			30 17	67	62	59		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Obs. Air
Longitude by ° ′ ″ 71 — 69 68

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 560 "

Water remaining on hand fit for use at noon, 8700 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 143 " 1656 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving; form.	CLOUDS. Amount; scale 10 is.	State of the Sea.
P. M.																		
1	At anchor.			S.S.E.	SW	2			30 19	72	67	62		b.cl.	cu.m.		6	
2				"	"	2			30 19	74	68	63		b.cl.	"		5	
3				S.S.W.	"	2			30 22	76	70	64		"	"		0	
4				"	S.S.E	2			30 23	76	70	64		"	"		0	
5				West	Variable	1-2			30 24	77	62	65		b.c.	cu.		2	
6				N.W.	"	2			30 24	67	57	64		"	"		2	
7				North	"	1			30 24	65	56	63		"	"		2	
8				E by N.	"	2			30 24	66	57	65		"	"		1	
9				N by E	N.N.W.	2			30 25	62	56	54		"	"		2	
10				N.N.E.	"	2			30 26	62	57	52		"	a.cu.		2	
11				N.N.W.	"	2			30 26	62	53	52		b.cu.	"		3	
Mid.				"	"	2			30 26	62	54	53		"	s.cu.		3	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, January 2nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy and cool, with passing showers and thunder and lightning. Light breeze from N.W. increasing at times to stiff breeze first hours, and light airs from S.W. Barometer rising slowly.

W. J. Manion
Ensign, U.S.N.

4 to 8. A.M.

Cloudy and cool. Light airs from North. Hove in on port chain, bringing the 60 fm. shackle to the bitt. Received in Pay dept. for crew fresh provisions as follows: 189 lbs. of bread, 198¾ lbs. of meat, and 198¾ lbs of vegetables.

C. W. Fahs
Lieut, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Light airs and breezes from North and N.N.W. Barometer rising. At 9:30 mustered at quarters no absentees. After muster exercised at divisional drills. After which had battalion drill and dress parade. The Captain called officially on the Civil and Military Governors and the Captain of the Port. The English mail steamer Llanwegan Castle came into port bound North. The Captain assigned the following punishments: Jos. Williams (A.B.C.) and C. Barnes (A.B.C.) slow in manning boat, 5 hours extra duty. A. Robinson (A.B.C.) Uncivil at Master-at-Arms, 3d Class.

W. J. Manion
Ensign, U.S.N.

Meridian to 4. P.M.

Generally fair and pleasant. Light breezes from W. and S.S.E. Barometer rising slowly. At 1:00 hoisted all sail (including boat sails) to dry and furled the same about 3:30.

W. J. Manion
Ensign, U.S.N.

4 to 8. P.M.

Fair to clear and pleasant. Light variable airs and breezes. Barometer steady. English steamer "Wassau" came into port. Received in Pay dept. the following fresh provisions: 189 lbs. of bread, 198¾ lbs each of beef and vegetables. At 4:00 exercised at loosing and furling sail.

W. J. Manion
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and pleasant, with heavy dew last two hours. Light breeze from N.N.W. Barometer steady.

W. J. Manion
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lester
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Funchal, Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount. 8ths.	State of the Sea.
A. M.																		
1	At anchor.			N.W.	N.N.W.	1			30.25	68	56	54		bc	cu		2	
2				North	North	1			30.25	65	53	53		"	"		1	
3				N.N.W.	Variable	1/2			30.25	66	55	53		"	"		1	
4				N.E.		1			30.25	66	55	53		"	"		1	
5				North	N.N.E.	1			30.25	70	56	54		"	"		1	
6				"		1			30.26	65	56	54		"	"		1	
7				N.N.W.	North	1			30.27	66	56	54		"	"		3	
8				N.N.E.		1			30.28	66	58	56		"	S.cu. cu.-s. cu.		5	
9				East	Calm	0			30.32	70	64	61		"			5	
10						0			30.32	70	68	65		"	"		5	
11				S. by E.	West	1			30.33	70	72	68		"	"		6	
Noon.				South	"	1			30.29	68	68	68		"	cu		9	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Amp. 71 — Fog Alt. 68-67

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 2200 lbs.

Coal remaining on hand at noon, 142 " 1696 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving form.	CLOUDS. Amount. 8ths.	State of the Sea.
P. M.	At anchor.																	
1				S.W.	West	1			30.28	68	68	68		bc	cu.		5	
2				South.	"	1			30.27	68	68	67		"	cu.-s.		9	
3				"	N.W.	1			30.27	69	67	67		"	"		9	
4				S. by S.	"	1			30.27	70	67	65		"	"		9	
5				"		1			30.27	69	65	63		"	"		5	
6				East	Variable	1			30.27	65	62	61		"	a.-s.		7	
7				E. by N.	"	1			30.27	67	60	60		"	"		5	
8				W. by N.	"	1			30.27	66	60	59		"	"		6	
9				"	"	1			30.27	63	60	58		"	"		6	
10				N.N.W.	"	1			30.25	62	58	56		"	"		4	
11				"	North	1			30.23	60	58	56		"	"		3	
Mid.				"	"	1			30.21	60	58	56		"	S.-c.		3	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 3rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light variable airs and breezes.

Ralph Earle,
Ensign, USN.

4. to 8. A.M.

Clear and pleasant. Light North'ly airs and breezes. Barometer rising.

W. F. Lee
Ensign, USN.

8. A.M. to Meridian.

Generally fair and pleasant. Calm and light airs from West. Barometer rising slowly first part, but falling last hour. At 9:30 mustered at quarters (no absentees) after which the divisions were drilled as per routine. By order of the Commanding Officer at 9:00 released from confinement and restored to duty E. L. Deane (Ea) and A. P. Holland (A.3.c) their terms of confinement having expired. Swayed aloft and crossed t'gallant yards at 10:30. The Governor of Madeira returned the call of the Commanding Officer about 1:00. He was received on board with the customary honors and on his departure a salute of 17 guns was fired. Portuguese flag at the fore. The salute was returned gun for gun by shore battery on Loo Rock. Punishments awarded by the Commanding Officer: A. A. Adams (A.3.c) and N. Jedlicka (A.3.c), not manning boat until 15 minutes after word had been passed, and utter disregard of orders, 3 days solitary confinement on bread and water. Securing for sea at end of watch.

W. F. Lee
Ensign, USN.

Meridian to 4 P.M.

Cloudy to fair and pleasant. Light West'ly and N.W. by airs. Instructed 5th division in lead and compass 3rd period. By order of the Commanding Officer placed F. D. Williams, A.3.c, in solitary confinement for 3 days on bread and water, for being habitually late in manning boat; assigned the following punishments: P. G. Chaney, J. F. Stenhman, E. C. Magoun, F. D. Williams, A.3.c, for remaining in tops when ordered to lay down from aloft, 2 hours extra duty each; G. W. Logsdon, O. Wolsak, and J. O. Seymour, A.3.c, Finnegan acting to clean gun bright work, 16 hours extra duty; C. V. Eddings, A.3.c, disorderly at quarters and disrespectful to divisional officer, 2 hours extra duty; and renewed the acting appointment of the following petty officers to date from Jan. 1st, 1900:- W. A. Simpson, Cox., Frank Plotz, Cox., Edward Dunham, Cox. and P. V. Meile on, G.M.3.c. Tested life buoys and put them in good order. Began distilling with boiler #1 at 1:10.

Ralph Earle
Ensign, USN.

4 to 8 P.M.

Fair and pleasant. Light variable airs. Barometer steady. About 5:05 hove in on port chain, sighted port anchor, which was found to be clear and veered again on port chain 5 fathoms.

W. F. Lee
Ensign, USN.

8. P.M. to Midnight.

Clear and pleasant. Light variable airs. Barometer falling.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex, **3rd Rate,**

Anchor, Funchal, Madeira.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1	Anchor			W.N.W.	W.N.W.	1			30 19	63	57	56		bc.	S.		3	
2				"	"	1			30 19	63	57	56		"	"		3	
3				N.N.W.	N.N.W.	2			30 14	63	57	56		"	"		2	
4				N.W. by N.	"	2			30 15	69	58	57		"	S-cu		4	
5				N.E. by E.	"	2			30 13	64	58	54		bcd.	"		5	
6				East	"	2			30 12	66	58	57		"	"		6	
7				N.N.W.	N.E.	1			30 12	67	58	57		"	"		8	
8				S.W. by W.	East	1			30 12	67	58	57		"	"		8	
9				North	N.E.	2			30 14	68	58	58		"	cu.m		8	
10					S.S.E.	2			30 15	68	60	58		"	"		9	
11				E.S.E.	N.N.W.	2			30 16	70	61	60		"	"		9	
Noon.				S.S.W.	S.S.W.	3			30 13	71	63	61		"	"		8	

Position at 8 A. M.: Latitude by ____ ° ____ ' ____ " Mag Temp
Longitude by ____ ° ____ ' ____ " Ford Alt

Position at noon: Latitude by observation ____ ° ____ ' ____ " 70 – 57-66
Longitude by observation ____ ° ____ ' ____ "
Latitude by D. R. ____ ° ____ ' ____ "
Longitude by D. R. ____ ° ____ ' ____ "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by DR 31 °56' 00" N
Longitude by DR 17 °25' 00" W

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 2750 "

Coal consumed during the preceding 24 hours, 2 tons, 1920 lbs.

Coal remaining on hand at noon, 189 " 2016 "

P. M.						P.	Rig										
1	72	·	12.5	Various	Variable	1-2	–	–	30 12	73	64	60		bsp	cu.m		7	
2	3	8	16.3	SW by W ½ W	"	1-2	–	–	30 12	74	64	60		"	"		7	
3	7	6	23.9	"	N.N.W.	3-5	–	–	30 13	71	65	60	67	bc.	"		4	S.
4	8	5	32.4	"	"	6	7°	–	30 13	68	63	59	67	"	"		5	m
5	6	3	38.7	"	"	6	9°	½	30 14	68	62	59	66	"	"		5	"
6	7	2	48.3	"	"	6	9°	½	30 15	68	62	59	66	bcd.	"		7	"
7	6	9	55.2	"	North	5-6	9°	–	30 17	64	61	59	66	bc.	"		6	"
8	6	3	61.5	"	"	5-6	9°	¼	30 19	66	60	59	66	bcd.	"		7	"
9	6	5	68.0	"	"	5-6	7°	–	30 20	65	60	59	66	"	"		4	"
10	6	5	74.5	"	"	6	7°	–	30 20	65	63	60	65	"	"		4	"
11	6	5	81.0	"	"	6	5"	–	30 20	65	62	59	65	bc.	"		4	"
Mid.	7	1	88.1	"	"	6	6'	–	30 20	65	62	59	65	"	"		2	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, January 4th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and pleasant. Light airs from W.N.W. to Light breezes from N.N.W.

Lieut., USN.

4. to 8. A.M.

Generally overcast, cloudy and drizzling rain. Light breeze from N.N.W. to light airs from N.E. and East. Barometer steady. At 5:15 shut down distiller, tanks being full. The Union Line steamer "Moor" came in from the Eastward and anchored about 7:15.

W. H. Hanion
Ensign, USN

8. A.M. to Meridian.

Generally cloudy and rainy with clearing weather last hour. Light to gentle variable breezes. At 9:30 mustered at quarters, two absentees, and gave instructions in orchard to all apprentice divisions. At 8:10 started fires under boiler "A" for steaming purposes. The Commanding Officer assigned the following punishments: C. W. Smith, A.S.C., smoking out of hours, 8 hours extra duty; A. G. Martini, A.S.C., interfering with the lights, 8 hours extra duty. Draft of ship forward 14'6" and aft 16'10". Made all preparations for sea.

Ralph Earle,
Ensign, USN.

Meridian to 4. P.M.

Generally fair and pleasant. Light variable airs in part. Stiff to fresh breeze from N.N.W. At 1:00 got underway and stood out on course S.W. by W. ½ W. (P.S.C.) and put over Pat. Log at 1:22 reading 12.5. Steering last two hours gradually made sail to topsails. Steam 58 Revs 73.3

Chas Parks
Lieut, USN.

4. to 6. P.M.

Fair and pleasant. Fresh breeze from N by W. Barometer rising slowly. At 4:30 stopped steaming and uncoupled propeller and allowed fires to die out under boiler "B" and banked fires under boilers "A" & "C". At 5:05 called all hands and took a single reef in the topsails, and set the topgallantsails over them. At 4:40 changed course to S.W. by W. ½ W. (P.S.C.) At 5:45 took in topgallantsails. Ship rolling easily, at times deeply to sea on starboard quarter. Max rolls 30° to port and 15° to stbd. about 5 rolls per minute.

W. Earle
Ensign, USN.

6 to 8. P.M.

Generally fair and pleasant, with drizzling rain during second hour. Bright moonlight. Stiff to fresh breeze from North. Barometer rising slowly. On course S.W. by W. ½ W. (P.S.C.) under same sail as at end of preceding watch. Ship rolling 5 times per minute, greatest roll noted 14° to port and 7° to starboard.

W. H. Hanion
Ensign, USN.

8 P.M. to Midnight.

Generally clear and pleasant with passing squalls of rain and wind first half. Stiff to fresh North by E. breezes. Barometer steady. Moon set at 5:40. Ship rolling at times max. of 18° port and 12° starb'd. At 8:10 took in main topmast staysail. At 11:00 set topgallant sails and main topmast staysail. At end of watch on course S.W. by W. ½ W. (P.S.C.), log 58.1, under jib, fore and main topmast staysails, foresail, single reefed topsails, topgallantsails, and main trysail.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Lipps,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, **3rd Rate,**

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air By Ther.	TEMPERATURE. Air By Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, sameness.	State of the Sea.
A. M.							P.											
1	7	2	95.9	SW by W ½ W	North.	6	6°		30.20	66	62	59	65	be	cu-n		3	m.
2	7	4	2.7	"	"	6	6°		30.21	66	62	59	65	"	"		2	"
3	7	2	9.9	"	"	6	6°		30.22	66	62	59	65	"	"		3	"
4	7	1	17.0	"	"	6	6°		30.22	66	63	60	65	"	"		2	"
5	6	6	23.6	"	N by E	5	4°		30.22	68	63	60	65	"	"		4	"
6	6	1	29.7	"	N N E	5	4°		30.23	66	63	60	65	"	"		4	"
7	6	8	36.5	"	"	5	3°		30.26	67	63	60	67	"	"		4	"
8	5	9	42.4	"	"	5	3°		30.27	67	63	60	67	"	"		5	"
9	6	5	48.9	SW by W ½ W	"	5	3°		30.29	68	65	61	67	"	"		3	"
10	5	8	54.8	"	N E	4	-		30.33	69	62	62	67	"	"		4	"
11	5	5	110.3	"	N N E	4	-		30.33	69	62	62	67	"	"		0	"
Noon.	6	9	116.2	"	"	4	-		30.31	71	65	65	67	"	"		5	"

Position at 8 A. M. { Latitude by DR. 30° 55' 00" N. Mag. Temp. Air 68-67
Longitude by Obs. 18° 21' 15" W. Sea

Position at noon: { Latitude by observation 30° 32' 49" N. 70 —
Longitude by observation 18° 37' 15" W.
Latitude by D. R. 30° 34' 00" N.
Longitude by D. R. 18° 46' 00" W.

Course made good since preceding noon: S. 35° W.

Distance made good since preceding noon: 15.2 miles.

Distance by Log since preceding noon: 15.4.6 miles.

Current per hour: 0.35 miles, set S. 52° W. true.

Position at 8 P. M. { Latitude by DR. 29° 57' 12" N
Longitude by Obs. 19° 05' 54" W.

Variation of compass: from chart 18° 54' W by N.

Error of compass observed at 5.45 22° 04' W by N

Deviation of compass on SW by W ½ W. 3° 10' W by N.

Water expended during the preceding 24 hours, 450 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2300 "

Coal consumed during the preceding 24 hours, 3 tons, 1330 lbs.

Coal remaining on hand at noon, 136 " 686 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air By Ther.	TEMPERATURE. Air By Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, sameness.	State of the Sea.
P. M.																		
1	5	3	23.8	SW by W ¼ W	N N E	4			30.24	70	69	63	67	be	cu		4	m
2	5	2	29.0	"	"	4			30.27	69	69	63	67	"	"		2	"
3	5	6	34.6	"	"	4			30.29	67	68	64	67	"	"		6	"
4	5	5	40.1	"	"	4			30.30	65	67	62	67	"	cu-n		7	"
5	5	8	45.7	"	N E by E	4			30.31	69	66	61	67	"	"		6	"
6	5	9	51.8	"	"	4			30.32	67	65	61	67	"	"		5	"
7	5	7	57.5	"	E N E	4			30.35	69	65	61	67	"	"		5	"
8	5	5	63.0	"	"	4			30.36	68	65	60	67	"	"		5	"
9	5	5	68.5	"	"	4			30.37	68	64	60	67	"	"		5	"
10	5	5	74.0	"	"	4			30.38	67	64	60	66	"	"		4	"
11	5	3	79.3	"	"	4			30.38	67	64	60	66	"	"		6	"
Mid.	5	4	84.7	"	East	4			30.37	67	64	61	66	"	"		7	"

under the command of Commander Frank Curtis, U. S. Navy,

Friday, January 5th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Fresh breeze from North. Under topgallantsails, single reefed topsails, foresail, and fore and aft sail save spanker. Course SW by W ½ W (P.S.C.). Ship making an occasional roll to port of 6°, but generally nearly steady.

C. M. Fahs
Lieut, USN.

4. to 8. A.M.

Fair to cloudy. Stiff breeze from N by E and N.N.E. Barometer rising. At 4:50 hauled down main topmast staysail. At 5:10 shook out reefs in topsails and took in main topsail. Course SW by W ½ W (P.S.C.). Rolling easily, at times deeply to moderate long swell on stbd. quarter, 5 times per minute. Max. roll 25° to port and 17° to stbd.

W. H. Reed
Ensign, USN.

8. A.M. to Meridian.

Fair and pleasant. Stiff to moderate breeze from N.N.E. and moderate breeze from N.E. Barometer rising slowly first part, then falling slowly. At 9.30 mustered at quarters (no absentees) after which the divisions were given general instruction. At 8:00 changed course to SW by W ½ W (P.S.C.) (P.C. 42 A). About 8:45 the jib not drawing well hauled it down and hoisted it again about 10:55. Cove off new fore topsail braces. Sighted a steamer one point on port bow about 11:30, it went to Northeastward. Ship rolling 5 times per minute to long swell on starboard quarter; greatest rolls noted 30° to port and 27° to starboard. Punishment awarded by the Commanding Officer to T. Macfeat (A.B.C.) steering himself under forecastle companion while on lookout - 5 days confinement on bread and water. On course S.W. by W ½ W. (P.S.C.) under topsails, topgallantsails, foresail, jib, and fore topmast staysail.

W. H. Hanson
Ensign, USN.

Meridian to 4. P.M.

Cloudy and pleasant. Moderate N.N.E. to breeze. Ship rolling to moderate sea on stbd. quarter 6 times per minute. Divs. at quarters each side. Held routine 3rd period drills. At 1:30 hauled down jib. Began distilling with boiler "A" at 2:30. A German steamer "Corvus" passed at 2 bound N.E'd. Cleaned and disinfected bilges. Tested magazine flood and drain cocks, and found them in good condition. At end of watch under topgallantsails, topsails, foresail, and fore topmast staysail, on course SW by W ½ W (P.S.C.) Log 40.1

Ralph Earle,
Ensign, USN

4. to 6. P.M.

Fair and pleasant. Moderate breeze from N.E by E. Ship rolling occasionally - max. roll 25° each way to a swell on stbd quarter. Under topgallantsails, topsails, foresail and fore topmast staysail. Course SW by W ½ W (P.S.C.). At 5:01 went to Fire Quarters - all divisions ready in 2½ minutes. Secured in 3½ minutes.

C. M. Fahs
Lieut, USN.

6. to 8. P.M.

Fair and pleasant. Moderate E.N.E. breeze. Barometer rising. Ship rolling easily. Maximum 27° to port and 23° to stbd. Following swell, 5 times per minute. Course SW by W ½ W (P.S.C.). Same sail as in preceding watch.

John Lee
Ensign, USN

8. P.M. to Midnight.

Clear and pleasant. Bright moonlight until 9:45 when moon set. Moderate breeze from E.N.E. and East. Barometer steady. On course SW by W ½ W (P.S.C.) under same sail as in preceding watch. Ship rolling easily to following swell. Maximum roll noted 23° to port and 20° to starboard.

W. H. Hanson
Ensign, USN

Examined and found to be correct.

P. F. Leper,
Lieut. & Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	5	9	90.6	SW by W ½ W.	East	4			30.36	68	65	61	66	bc	cu-m		2	L
2	4	9	95.5	"	"	4			30.35	68	65	61	66	"	cu.		1	"
3	5	0	0.5	"	"	4			30.35	68	65	61	66	"	"		2	"
4	5	1	5.6	"	"	4			30.35	68	65	61	66	"	cu-m		3	"
5	5	9	11.5	"	E by S.	4			30.35	68	65	61	66	"	"		3	"
6	5	9	17.4	"	"	4			30.36	68	65	61	66	"	"		3	"
7	5	9	22.7	"	"	4			30.37	67	65	61	66	"	cu.		4	"
8	5	5	27.2	"	SE by E.	4			30.41	67	65	61	66	"	"		5	"
9	4	3	31.5	"	East	4			30.44	67	66	62	66	bc/f.	cu-m.		8	"
10	5	1	36.6	"	E.N.E.	4			30.46	70	67	64	67	"	"		7	"
11	6	1	42.7	"	E.S.E.	5			30.44	72	70	64	67	bc	"		4	"
Noon.	4	5	50.2	"	East	5			30.42	72	70	65	68	"	Fr-cu		2	"

Position at 8 A. M. { Latitude by DR: 29° 05' 18" N. Mag. Temp. Air 68-67
Longitude by Obs: 20° 01' 30" W. Sea

Position at noon: { Latitude by observation: 28° 51' 49" N. 71 —
Longitude by observation: 20° 07' 42" W.
Latitude by D. R.: 28° 47' 49" N.
Longitude by D. R.: 20° 07' 45" W.

Course made good since preceding noon: S. 88° W.

Distance made good since preceding noon: 125 miles.

Distance by Log since preceding noon: 132 miles.

Current per hour: 0.2 miles, set North true.

Position at 8 P. M. { Latitude by DR: 28° 14' 43" N.
Longitude by Obs: 20° 38' 33" W.

Variation of compass: from chart 19° 10' W by N.

Error of compass observed at 3:56 22° 23' W by N

Deviation of compass on E.W. by W ½ W. 3° 13' W by N

Water expended during the preceding 24 hours, 45-0 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 270-0 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 134 " 2166 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	5	8	56.0	SW by W ½ W	East	6			30.39	71	68	63	68	bc	cu		1	m.
2	6	2	62.2	"	"	4			30.39	72	67	63	68	"	"		1	"
3	5	8	68.0	"	"	4			30.41	72	67	63	68	"	"		1	"
4	5	4	73.4	"	"	4			30.42	72	67	63	68	"	cu-cu		3	"
5	5	2	78.6	"	"	4			30.42	71	67	63	68	"	"		5	"
6	5	6	84.2	"	"	4			30.43	70	66	63	68	"	"		7	"
7	6	2	90.4	"	"	4			30.44	70	67	65	68	"	cu.		4	"
8	6	1	96.5	"	"	4			30.46	70	67	65	68	"	cu-m		6	"
9	5	9	2.4	"	E by E.	4			30.46	70	66	65	68	"	"		8	"
10	6	3	8.7	"	"	5			30.46	70	66	65	68	"	"		8	"
11	6	7	15.4	"	E. S. E.	5			30.44	70	66	65	68	"	"		9	"
Mid.	6	7	22.1	"	"	6			30.41	70	67	65	68	"	"		8	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, January 6th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM

Clear and pleasant. Moderate East by breeze. Ship rolling to moderate sea on starboard quarter 6 times per minute, mags. 18° each side. At 2:10 hauled down fore topmast staysail and set jib and main trysail. Stopped distilling at 3:00 and allowed fires to die out under boiler "B": An average SW by W ½ W (P.S.C) log 3 at end of watch, under topgallantsails, topsails, forecail, jib, and trysail.

Rogers Earle,
Ensign, USN

4 to 8 AM.

Fair and pleasant. Moderate breeze from E by S to S.E by E. Under topgallantsails, topsails, jib and main trysail. At 7:15 set main topmast staysail. Ship rolling slightly at times to swell on beam quarter. Course SW by W ½ W (P.S.C). Lowered the smoke stack

C W Fahs
Ensign, USN.

8 AM to Meridian.

Cloudy to clear and pleasant. Moderate to stiff breeze from S.W. to S.S.E. Barometer falling. Bent mainsail. At 9:30 took in trysail and main topmast staysail, set them again at 10:15. Crossed royal yards and set royals, also bent flying jib and set it. Set spanker. Course SW by W ½ W (P.S.C.). At end of watch under all sail save mainsail. By order of the Captain C.H. Adams & Goldrick, and C.d Williams (A.S.C.) were released from confinement. Ship rolling easily at times to N.E by swell. Unbent both bower chains.

Meridian to 4 PM.

Clear and pleasant. Stiff and moderate breeze from East. Barometer rising slowly. Took in fore topmast staysail at 12:35, main topmast staysail at 2:00, and spanker at 3:40. Set mainsail (except foot clew) and took in main trysail at 1:30. On course SW by W ½ W (P.S.C) under all sail except fore and main topmast staysails, main trysail and spanker, and foot clew of mainsail. Punishments awarded by the Commanding Officer: C. J. Dowling (A.S.C), mast in the Officer of the Deck and slow in obeying orders, - 3 days confinement on bread and water; J. F. Hellings (A.S.C) and E. D. Royal (A.S.C) shirking, 1 week extra duty each.

W. F. Manon
Ensign, USN.

4 to 6 PM.

Fair and pleasant. Moderate East by breeze. Ship nearly steady. At 5:15 held evening quarters and setting up drill for all divisions. Under sail as in previous watch, on course SW by W ½ W (P.S.C) log 5½ at end of watch.

Rogers Earle,
Ensign, USN.

6 to 8 PM.

Cloudy and pleasant. Moderate to stiff breeze from East. Bright moonlight. Ship nearly steady. Course SW by W ½ W (P.S.C). All sail set save fore and main topmast staysails, weather clew of the mainsail, main trysail and spanker. At 7:15 took in and furled the topsails and flying jib.

C W Fahs
Ensign, USN

8 PM to Midnight.

Cloudy and pleasant. Moderate to fresh breeze from East to E.S.E. Barometer falling slowly. At 10:15 set weather clew of mainsail. Ship nearly steady. Course SW by W ½ W (P.S.C)

W Harden
Ensign, USN

Examined and found to be correct.

E. F. Leiper.
Fleet Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, as to 10.	State of the Sea.
A. M.																		
1	6	4	38.5	S.W.b.W. 1/4 W.	E.S.E.	5	3°		30.42	69	64	62	68	ocp	cu-n		10	m.
2	5	7	34.2	"	"	4	2°		30.42	68	64	62	68	"	"		10	"
3	5	3	39.5	"	"	4	2°		30.42	68	65	63	68	"	.		10	"
4	5	0	44.5	"	"	4	2°		30.41	68	66	64	68	"	n		10	"
5	6	0	50.5	"	S.E.	5			30.40	67	66	64	68	be.	cu-n		9	"
6	4	5	55.0	"	E.S.E.	4			30.40	67	66	64	68	"	"		9	"
7	4	7	59.7	"	East	4			30.42	70	66	64	68	"	"		7	"
8	5	5	65.2	"	E.S.E.	4			30.43	70	66	64	68	"	"		7	"
9	6	2	70.3	"	"	5			30.45	70	67	65	68	"	"		7	"
10	5	8	76.1	"	"	5			30.47	71	68	66	68	"	"		9	"
11	5	6	81.7	"	S.E.	4			30.46	71	68	68	68	bcp.	"		9	"
Noon.	5	9	87.6	"	S.E. by S.	5			30.45	71	69	69	69	"	"		9	"

Position at 8 A. M. { Latitude by DR. 27°20'13" N. Mag. Temp. Alt.
Longitude by Obs. 21°37'08" W. Cor. 67.66

Position at noon: { Latitude by observation 27°05'05" N. 70 —
Longitude by observation 21°46'14" W.
Latitude by D. R. 27°01'07" N.
Longitude by D. R. 21°42'12" W.

Course made good since preceding noon: S. 39° W.

Distance made good since preceding noon: 137 miles.

Distance by Log since preceding noon: 136.5 miles.

Current per hour: 0.2 miles, set N. 32° W. true.

Position at 8 P. M. { Latitude by DR. 26°26'11" N.
Longitude by Obs. 22°22'15" W.

Variation of compass:
Error of compass observed at } No observations
Deviation of compass on

Water expended during the preceding 24 hours, 5.00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 6.00 lbs.

Coal remaining on hand at noon, 134 " 15.66 "

P. M.							S.											
1	6	5	94.1	S.W.x.W. 1/4 W.	S.E.	5	3°		30.42	71	69	66	69	be	cu-n		8	"
2	5	3	99.4	"	"	4	2°		30.41	71	68	66	69	"	cu-n		8	"
3	5	6	5.0	"	S.E. by E.	5	2°		30.39	70	68	66	69	"	"		9	"
4	6	0	11.0	"	S.E. by S.	5	3°		30.39	70	68	66	69	"	"		8	"
5	5	8	16.8	"	"	5	3°		30.38	70	67	66	69	"	"		8	"
6	6	3	23.1	"	"	5	3°		30.38	70	67	66	69	"	"		8	"
7	6	6	29.7	"	"	5	3°		30.39	70	67	66	69	"	cu-n		8	"
8	6	4	36.1	"	"	5	3°		30.40	70	67	66	69	"	"		8	"
9	6	2	42.3	"	"	5	3°		30.40	70	67	65	69	bcp.	cu-n		9	"
10	6	1	48.4	"	"	5	3°		30.40	70	67	65	69	"	"		8	"
11	6	2	54.6	"	"	5	3°		30.39	71	67	65	69	"	"		8	"
Mid.	6	0	60.6	"	S.E.	5	3°		30.38	70	68	66	67	"	"		8	"

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difficulties

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B. W. I.

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
	A. M.																		
	1	6	1	66.7	SW by W 1/4 W.	SE by S.	5	30°		30 36	70	68	64	69	bcp.	cu-m		7	S
	2	5	7	72.4	"	"	5	30°		30 36	70	67	64	69	bc.	"		6	"
	3	5	6	78.0	"	"	5	30°		30 36	69	67	65	69	bcp.	"		6	"
	4	5 5	5	81.8	West	S.S.E.	1	—		30 36	69	68	66	69	"	"		7	"
By Chip.	5	1	0	82.6	SW 3/4 W.	SE by S.	1	20°		30 34	69	68	66	69	bc.	"		6	"
	6	3	0	85.6	SW.	"	2	20°	1/4	30 34	70	68	66	69	"	s-cu		5	"
	7	4	7	90.3	"	SE.	3	25°	1/4	30 35	70	68	66	69	"	"		5	"
	8	5	1	95.4	SW by W.	SE by S.	4	20°	1/4	30 36	71	69	66	70	"	"		6	"
	9	4	5	99.9	"	"	4	20°	1/8	30 39	74	72	68	70	"	cu-s.		4	"
	10	3	8	3.7	"	"	3	—	1/2	30 39	74	71	67	70	"	"		5	"
	11	5	0	8.7	"	E.S.E.	4	—	1/2	30 40	74	71	67	70	"	"		5	"
	Noon.	5	6	14.3	"	"	3	—	1/2	30 36	74	71	67	70	"	"		8	"

Position at 8 A. M. { Latitude by DR. 25° 39' 05" N. Mag. Temp.
Longitude by Obs. 23° 10' 30" W. For. Air
Position at noon: { Latitude by observation 25° 31' 54" N. 71 68-67
Longitude by observation 23° 24' 15" W.
Latitude by D. R. 25° 23' 17" N.
Longitude by D. R. 23° 10' 14" W.

Course made good since preceding noon: S 43° W

Distance made good since preceding noon: 128 miles.

Distance by Log since preceding noon: 126.7 miles.

Current per hour: 0.6 miles, set N. 60° W. true.

Position at 8 P. M. { Latitude by DR. 25° 08' 54" N.
Longitude by Obs. 23° 45' 45" W.

Variation of compass: from chart 19° 35' W.

Error of compass observed at 8:47 19° 49' W.
4:15 20° 13' W.
S.W. & W. 20° 23' W.
Deviation of compass on S.W. & W. 0° 35' W.
5° 45' W.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1750 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 134 " 966 "

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each form.	State of the Sea.
	P. M.																		
	1	3	9	18.2	SW by W.	E.S.E.	3		1/2	30 33	74	72	68	70	bc	cu-s.		5	S
	2	3	4	21.6	"	"	3		1/2	30 31	74	71	68	70	"	a-cu		8	"
	3	3	5	25.5	"	"	3		1/2	30 31	74	71	68	70	"	"		8	"
	4	4	5	30.0	"	"	3		1/2	30 31	74	70	67	70	"	"		8	"
	5	3	4	33.4	"	"	3		1/2	30 31	73	70	68	70	"	"		8	"
	6	3	2	36.6	"	"	3		1/2	30 31	72	70	68	70	"	"		5	"
	7	3	9	40.5	"	"	3		1/2	30 31	70	69	68	70	"	"		6	"
	8	4	2	44.7	"	"	3		1/2	30 32	70	68	67	70	"	"		5	"
	9	4	0	48.7	"	"	3			30 31	71	68	67	70	"	cu.		1	"
	10	4	1	52.8	"	"	3			30 31	71	67	67	70	b	nmc		0	"
	11	4	1	56.9	"	"	3			30 29	70	67	67	70	bc	cu.		4	"
	Mid.	4	1	61.0	"	"	4			30 27	70	69	66	70	"	"		4	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 8th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Stiff breeze from S.S.E by S. until 3:30 when the wind suddenly fell to light airs from S.W. and in a few minutes shifted back to S.S.E., being still light airs. All sail set save royals and main trysail. At 3:40 took in spanker and main topmast staysail. Course S.W. by W. ½ W. (P.S.C.). Steering full and by during last half hour.

C. McFarland
Lieut., U.S.N.

4. to 8. A.M.

Fair and pleasant. Light airs to moderate breeze from S.S.E. by S. to S.S.E. Barometer about steady. At 4:45 set royals, flying jib, and main topmast staysail. At 5:15 set spanker. Steering full and by first three, last three hours two points free. At 5:00 set course S.W. and at 7:00 changed course to S.W. by W. (P.S.C.) At end of watch on course under all sail save main trysail. Ship nearly steady.

Franklin
Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle and moderate breezes from S.S.E. by S. and S.S.E. Barometer rising slowly first part and falling last hour. At 9:30 sounded the call to General Quarters. The Divisions reported ready as follows:- 5th, 1 minute; Powder, 1½ minutes; 3rd, 1½; 1st, 2; Navigator's, 3½; 2nd, 5; 4th, 5½. All Divisions secured in 8½ minutes, call being sounded at 9:47. No absentees at 9:30. Exercised at "abandon ship". Sounded provision call at 9:50 & at 10:06½ sounded call to "abandon ship". Boats reported ready as follows:- steam launch and 1st cutter, ½ minute; sailing launch and dinghey, ½; 3rd cutter, 3½; 4th, 1; 2nd and whale boat, 1½ minutes; gig, 2 minutes. Sounded call to secure at 10:15. All boats secured in 17 minutes. At 11:20 set back clock back 6 minutes. At 11:00 took in royals and flying jib, sent down fore royal and bent on the old sail, and then crossed yard again. Set royals and flying jib again at 11:45. Punishments awarded by the Commanding Officer:- Wm. J. Meeks (Pvt.) below during watch on deck and lying 5 days solitary confinement on bread and water; C. B. Allan (A.B.C.) habitually failing to clean gun & slight work 6 & ½ hours extra duty. On course S.W. by W. under all sail except main trysail.

Meridian to 4 P.M.

W. M. Canida
Ensign, U.S.N.

Cloudy and pleasant. Under all sail except main trysail on course S.W. by W. Barometer falling, then steady. Exercised unsatisfactory boys of 4th division in signals and of 1st and 5th divs in Ordnance and Seamanship. Took in main topmast staysail at 1:30 to repair it and set it at 3:50. Sighted a sail a point abaft port beam.

F. T. Baldwin Ensign, U.S.N.

4. to 6. P.M.

Fair and pleasant. Gentle E.S.E. breeze. Barometer steady. Held sail drill, taking a close reef in topsails, and making sail again. The Commanding Officer renewed the acting appointment of J. L. Bigham, Coxswain, to date from Jan. 1st, 1900. On course S.W. by W. (P.S.C.) under sail as in previous watch. Log 366 at end of watch.

Ralph W. Earle
Ensign, U.S.N.

6. to 8 P.M.

Fair and pleasant. Gentle E.S.E. breeze. All sail set. At 7:55 took in and furled royals and flying jib. Ship nearly steady. The Commander renewed the acting appointment of W. White as B.M.2.C. to date from Jan. 1st, 1900. Course S.W. by W. (P.S.C.)

C. McFarland
Lieut., U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Gentle E.S.E. breeze. Barometer falling. Course S.W. by W. Under all sail save royals, flying jib, and main trysail. Ship nearly steady.

Franklin
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—285

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	4	6	65.6	SW by W	SSE. by E.	H		—	30.25	71	70	68	70	be.	cu.		6	S
2	5	2	70.8	"	"	5		—	30.25	70	70	68	70	"	"		4	"
3	4	8	75.6	"	SSE.	H		—	30.24	91	70	68	70	"	"		7	"
4	5	1	80.7	"	"	4-5		—	30.23	72	70	68	70	"	a-cu		8	"
5	4	3	85.0	"	"	H		1/4	30.23	72	70	67	70	"	"		9	"
6	4	0	89.0	"	SSE. by S.	H		1/4	30.24	71	70	67	70	"	"		9	"
7	5	0	94.0	"	"	H		1/4	30.25	75	70	67	70	"	"		8	"
8	4	6	98.6	"	SSE.	H		1/4	30.25	73	70	67	70	"	cu.		7	"
9	4	0	2.6	"	"	3		1/2	30.27	75	74	70	71	"	cu-cu		5	"
10	3	0	7.0	SW by W. 1/2 W.	"	3		1/2	30.27	76	74	71	71	"	"		3	"
11	4	2	11.2	"	S. E. by S.	3		1/2	30.25	75	75	71	71	"	cu		5	"
Noon.	4	2	15.4	"	"	3		1/2	30.23	76	75	71	71	"	"		4	"

Position at 8 A. M. { Latitude by DR — 24° 25' 48" N. Mag Temp
Longitude by Obs — 24° 22' 38" W. For Aft

Position at noon: { Latitude by observation — 24° 1H' 17" N. 71- 70-65
Longitude by observation — 24° 3H' 36" W.
Latitude by D. R. — 24° 12' 12" N.
Longitude by D. R. — 24° 35' 30" W.

Course made good since preceding noon: S. H° W.

Distance made good since preceding noon: 100 miles.

Distance by Log since preceding noon: 101.1 miles.

Current per hour: 0.1 miles, set N. E. by N. true.

Position at 8 P. M. { Latitude by DR — 23° 57' 00" N.
Longitude by Obs — 24° 52' 00" W.

Variation of compass: from chart — 19° 47' W'ly.

Error of compass observed at 5:34 — 22° 42' W'ly.

Deviation of compass on SW by W. — 20° 55' W'ly.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1250 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 133 " 206 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	3	3	18.7	SW by W. 1/2 W.	SSE. by S.	3		1/2	30.21	77	76	71	71	be.	cu.		4	S
2	2	4	21.3	"	"	3		1/2	30.20	76	76	71	71	"	"		4	"
3	2	1	23.4	"	"	3		1/2	30.20	76	75	71	71	"	"		5	"
4	2	4	26.0	"	"	3		1/2	30.21	74	73	69	72	"	cu-cu		7	"
5	2	9	28.9	"	"	3		1	30.20	73	71	69	72	"	a-cu		5	"
6	3	8	31.7	"	"	3		1	30.20	73	71	69	72	"	"		6	"
7	4	1	35.8	"	"	3		1/2	30.21	73	70	67	72	"	"		8	"
8	3	9	39.7	"	SE	3		1/2	30.22	73	70	67	72	"	ci-s.		7	"
9	3	9	43.6	"	SSE. by S.	3		1/2	30.23	72	70	67	72	"	"		8	"
10	2	9	46.5	"	"	3		1/2	30.24	72	70	67	72	"	"		3	"
11	3	3	49.8	"	"	3		1/2	30.24	70	69	66	72	"	a-cu		3	"
Mid.	3	3	53.1	"	"	2		1/2	30.22	70	69	67	72	"	"		5	"

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, January 9th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant. Moon set about 12:55. Moderate and stiff breezes from S.S.E. by E. and S.E. Barometer falling slowly. On course S.W. by W. (P.S.C.) under all sail except royals, flying jib and main trysail.

W. F. Watson
Ensign, U.S.N.

4. to 8. AM.

Cloudy and pleasant. Moderate breeze from S.E. and S.E. by S. On course S.W. by W. under all plain sail to topgallantsails and main topmast staysail except main staysail. At 5:00 set royals and flying jib. A sail in sight on port beam.

H. R. Belvin
Ensign, U.S.N.

8 AM. to Meridian

Fair and pleasant. Gentle S.E. to S.S.E. by S.E. by breezes. Barometer falling. Sea smooth and ship steady. The Commanding Officer rescinded the acting appointment of G. Speers, Chief Machinist, and E. McEwen, Asst., to date from Jan. 9th, 1900. At 9:30 went to general quarters divisions ready as follows:- 5th, 1 min.; boarder, 2 min.; 3rd, 0½ min.; 2nd, 2½ min.; 1st, 3 min.; Rear, 3½ min.; 4th, 3 min.; and secured at 9:35 in 3 minutes. At 9:40 held routine 1st period divisional drills. At 10:37 called all boats' crews and away boats ready as follows:- 1st cutter, 2 min.; 2nd cutter, 2½ min.; whale boat, 3 min.; 4th cutter, 3 min.; 3rd cutter, 4 min. Secured in 2 minutes at 10.44. By order of the Commanding Officer released O. J. Bowling, A.S.C., from confinement his term having expired; and placed C. D. Mullen, A.S.C., for persistently skulking, in solitary confinement on bread and water for 5 days. Exercised at loosing and furling royals and flying jib, setting them at end of drill. At 9:50 changed course to S.W. by W ½ W. (P.S.C.) Log 6.0. At 11:50 set deck cloth back 5 minutes. At end of watch on course S.W. by W. ½ W. (P.S.C.) Log 18.4 under all sail save main trysail.

Ralph Earle
Ensign, U.S.N.

Meridian to 4. PM

Cloudy and pleasant. Gentle breeze from S.E. by S. Course S.W. by W ½ W. (P.S.C.). All sail set. Exercised watch below at knotting and splicing; watch on deck at the gear; apprentices of 1st division, who were unsatisfactory, exercised at signals, and those of the 2nd and 3rd divisions, who were unsatisfactory, at seamanship and gunnery. Later the watch on deck was exercised at taking in and furling flying jib and royals, and at setting them. Ship nearly steady.

Ino. Fahs
Lieut, U.S.N.

4. to 6 PM

Cloudy and pleasant. Light S.E. by S. breeze. Barometer steady. Ship nearly steady. Course S.W. by W ½ W. (P.S.C.) At 5:05 went to fire quarters, all divisions reporting ready in 4½ minutes, and secured in 2 minutes. Same sail as at end of preceding watch.

W. F. Watson
Ensign, U.S.N.

6. to 8 PM

Cloudy and pleasant. Moonlight. Gentle breezes from S.E. by S. and S.E. Barometer rising slowly. Ship about steady. At 7:30 took in royals and flying jib. On course S.W. by W ½ W. (P.S.C.) under all sail, except royals flying jib and main trysail.

W. F. Watson
Ensign, U.S.N.

8. PM. to Midnight.

Clear and fine. Light to gentle breeze from S.E. by S. On course S.W. by W. ½ W. under all sail to topgallant sails except main trysail. At 10:40 set royals and flying jib. Bright moonlight.

H. R. Belvin
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leafer.
Lieut Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

	Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, answer.	State of the Sea.
A. M.																			
	1	2	6	55.7	SW by W ½ W	SE by S	2		/	30.22	71	69	67	70	bc	a-cu		5	S
	2	2	1	57.8	"	"	2		/	30.21	71	69	67	70	"	"		4	"
	3	2	0	59.8	"	"	2		/	30.20	70	69	67	70	"	"		4	"
	4	1	6	61.6	"	"	2		/	30.19	70	69	67	70	"	"		4	"
	5	2	3	63.9	"	"	2			30.19	70	69	67	70	"	"		3	"
By Chf	6	2	3	66.7	"	"	2			30.18	72	69	67	70	"	"		8	"
"	7	2	5	68.2	"	"	2			30.19	72	70	68	70	"	ci-cu		5	"
"	8	1	8	70.0	"	"	2			30.21	73	70	68	70	"	"		5	"
"	9	2	0	71.9	"	"	2			30.23	74	72	68	72	"	"		5	"
"	10	3	0	74.9	"	"	2			30.23	74	72	68	72	"	"		2	"
"	11	3	0	77.9	"	"	2			30.23	74	72	68	72	"	"		3	"
"	Noon.	3	0	80.9	W.S.W. ½ W.	South	2			30.21	75	73	69	72	"	"		4	"
																			/

Position at 8 A. M. { Latitude by dlk — 23° 34' 54" N. Mag. Temp. Alt.
Longitude by Obs — 25° 06' 18" W. For Alt. 78-69

Position at noon: { Latitude by observation — 23° 27' 52" N. 71-
Longitude by observation — 25° 15' 12" W.
Latitude by D. R. — 23° 27' 07" N.
Longitude by D. R. — 25° 25' 57" W.

Course made good since preceding noon: S. 41° W

Distance made good since preceding noon: 60 miles.

Distance by Log since preceding noon: 65.5 miles.

Current per hour: 0.4 miles, set N. 84° E true.

Position at 8 P. M. { Latitude by dlk — 23° 17' 00" N.
Longitude by Obs — 25° 48' 30" W.

Variation of compass: from chart — 19° 55' W by

Error of compass observed at 4:20 — 22° 37' W by

Deviation of compass on SW. by W ½ W — 2° 42' W by

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 450 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 132 " 1246 "

P. M.																			
By Chf	1	1	6	83.6	W.S.W.	South	2			30.18	75	73	69	72	bc	cu		5	S
"	2	1	2	84.8	"	"	2			30.18	75	73	69	72	"	cu-a		5	"
"	3	2	6	86.9	SW by W ½ W	S.S.E.	2		/	30.16	74	72	69	72	"	"		5	"
"	4	2	2	88.7	"	"	2		/	30.14	74	72	68	72	"	"		3	"
"	5	2	4	90.8	"	"	2		/	30.15	74	72	68	72	"	"		3	"
"	6	3	0	93.8	"	"	2		/	30.16	73	71	67	72	"	"		4	"
"	7	2	7	96.5	W.S.W. ½ W.	South	2		/	30.17	74	71	67	72	"	ci.		1	"
"	8	1	9	98.4	West	S.S.W.	2		/	30.20	74	70	69	72	"	"		1	"
"	9	1	9	99.7	"	"	/		/	30.21	73	72	70	72	bc	ci-s		4	"
"	10	1	3	0.9	W. ½ S.	S by W.	/		/	30.21	73	72	70	72	"	"		8	"
"	11	1	3	1.4	West	"	/		/	30.20	73	72	69	72	bc	ci-cu		6	"
"	Mid.	0	8	1.5	W. ½ N.	S.S.W.	/		/	30.20	74	73	69	72	"	"		6	"

under the command of Commander Frank Curtis , U. S. Navy,

Wednesday, January 10th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Fair and pleasant. Light S.E by S. by breezes. Barometer slowly falling. Moon set at 1:45. On course S.W by W. ½ W (P.S.C.). Under all plain sail to royals and fore and main topmast staysails. Log 616 at end of watch.

Ralph B. Earle,
Ensign, USN.

4. to 8. AM.

Cloudy to fair. Pleasant. Light breeze from S.E. by S. All sail set. Course S.W by W. ½ W. (P.S.C.). Ship nearly steady.

Ens. W. Fahs
Ens'n, USN

8. AM. to Meridian.

Fair and warm. Light breeze from S.E. by S. and South. Barometer about steady. At 8:15 took in and furled mainsail and set main trysail. Rigged smoke pipe. At 8:45 started fires for auxiliary purposes under boiler "B". At 9:30 mustered at quarters, after which exercised divisions as per routine and inspected clothing. O'Macfeat (A.S.C.) was released from confinement his term having expired. On course S.W by W. ½ W. first three hours, full and by, last hour Ship nearly steady. At end of watch full and by under all sail save mainsail.

[illegible]
Ensign, USN

Meridian to 4 PM.

Clear and pleasant. Light breeze from South and S.S.E. Barometer falling slowly. Exercised watch below at knotting and splicing; watch on deck at the gear and sails; apprentices of the 3rd Division, who were unsatisfactory were exercised at signals and those of the 3d and 4th Divisions who were unsatisfactory at seamanship and Gunnery. Later all the apprentices were exercised at target practice at a small 6 inch scatter target set up on [illegible] rail (distance 600 feet). Sent distilled water forward at 2:10.

W. J. Mc Gowan
Ensign, USN.

4. to 6 P.M.

Clear and fine. Light breeze from S.S.E. Under all sail except mainsail. On course S.W. by W. ½ W. until 6:00 when changed to W.S.W. ½ W., p.l reading 98.8. At 5:15 mustered at quarters and exercised at setting up drill.

H. A. Baldwin Ensign, USN.

6. to 8. P.M.

Clear and fine. Light South by breeze hauling to S.S.W. last hour. Barometer rising. Bright moonlight. At 7:30 went to general quarters, divisions ready as follows:- 5th, 1 min.; Pow. 3 min.; 2d & 3d, 4 min.; Navr, 5 min.; 1st, 5¼ min.; 4th, 6 min. Secured at 7:36 in 1½ min. On course W.S.W. ½ W. (P.S.C.) until 7:00 when wind hauling ahead, steered full and by making West last hour. Under all sail save mainsail.

Ralph B. Earle,
Ensign, USN.

8. PM. to Midnight.

Fair and pleasant. Light airs from S.S.W. to S. by W. Course S.W. by W. ½ W. (P.S.C.). All sail set save mainsail. Steering full and by.

E. W. Fahs
Ens'n, USN.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira to St Kitts, B.W.I.

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10 to 10.	State of the Sea.
	A. M.																		
By Chip	1	0	8	1.5	N 2 pt S	South	1		3/4	30.20	70	68	67	72	fc.	a-cu		9	S.
"	2	0	8	1.5	W.S.W ½ W.	S by E.	1		3/4	30.20	70	69	68	72	"	"		9	"
"	3	0	8	1.6			1		3/4	30.19	72	70	68	72	"	"		9	"
"	4	2	0	3.3	SW by W ½ W.	SE by E	2		½	30.17	72	70	68	72	"	"		9	"
"	5	2	5	5.5	"	"	2			30.16	74	70	68	72	"	"		8	"
"	6	2	9	8.4	"	"	2			30.16	73	70	68	72	"	cu		5	"
"	7	3	0	11.4	"	"	3			30.17	73	70	68	72	"	"		5	"
"	8	3	0	14.4	"	"	3			30.19	74	70	68	72	"	"		5	"
"	8:40	3	7	16.1	Various	E.S.E.	3			30.20	74	74	70	73	"	a-cu		7	"
	9	-	-				3			30.23	75	74	70	72	"	"		8	"
	10	-	-	-			3			30.23	75	74	70	72	"	"		8	"
	11	-	-	16.1	SW by S.	S.S.E.	3			30.23	75	75	72	72	"	"		7	"
	Noon.	5	7	21.8	"	"	3			30.21	76	76	75	72	"	"		8	"

Position at 8 A. M.: Latitude by DR 23° 05' 36" N. Mag. Temp. Aft.
Longitude by Obs 36° 12' 00" W. For. Aft. 70-69

Position at noon: Latitude by observation 23° 01' 00" N. 71 —
Longitude by observation 26° 10' 54" W
Latitude by D. R. 22° 59' 00" N.
Longitude by D. R. 25° 47' 12" W.

Course made good since preceding noon: S. 81° W.

Distance made good since preceding noon: 5-9 miles.

Distance by Log since preceding noon: 40.9 miles.

Current per hour: 1.0 miles, set West true.

Position at 8 P. M.: Latitude by DR. 22° 20' 30" N.
Longitude by Obs 26° 36' 30" W.

Variation of compass:
Error of compass observed at } no observations
Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water distilled during the preceding 24 hours, 120-0 "

Water remaining on hand fit for use at noon, 145-0 "

Coal consumed during the preceding 24 hours, 4 tons, 240 lbs.

Coal remaining on hand at noon, 125 " 1006 "

P. M.																			
1	5	1	26.9	S.W.	S.S.E.	3			30.17	77	75	72	72	fc.	a-cu		8	S.
2	5	6	32.5	"	"	3			30.17	76	73	70	72	"	cu		5	"
3	5	4	37.9	"	"	3			30.17	76	73	70	72	"	cu-s.		9	"
4	5	6	43.5	"	"	3			30.18	75	73	70	72	"	"		5	"
5	5	6	49.1	"	"	2			30.17	74	72	69	72	"	"		5	"
6	5	5	54.6	"	SE by S.	2			30.17	74	73	69	72	"	"		5	"
7	5	4	60.0	"	"	2			30.19	74	72	69	72	"	"		5	"
8	5	3	65.3	"	S.E.	2			30.20	74	72	68	72	"	"		5	"
9	5	6	65.9																
	5	1	71.0	SW by W.	S.S.W.	1			30.21	74	73	69	72	"	S.		9	"
10	5	4	76.4	"	"	1			30.21	75	73	69	72	"	"		9	"
11	5	5	81.9	"	Calm	0			30.21	74	73	69	72	"	"		7	"
Mid.	6	7	87.6	"	"	0			30.20	74	72	69	72	"	"		7	"

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, January 11th , 18 97.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Light airs to light breeze from South to S.E. by S. Barometer falling slowly. Moon set at 2.40. At 3.30 started fires under boiler "C". Course S.W. by W. ½ W. (P.S.C.) full and by first three hours, on course last hour under all sail save mainsail. Ship nearly steady.

W. H. Gherardi
Ensign, U.S.N.

4. to 8. A.M.

Fair and pleasant. Light and gentle breeze from S.S.E. by E. Barometer rising slowly. Rigged great gun target and made preparations for target practice. On course S.W. by W. ½ W. (P.S.C.) under all sail except mainsail. Ship about steady.

W. W. Gamon
Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle breeze from E.S.E. and S.E. Under all sail except mainsail. On course S.W. by W. ½ W. At 8.30 furled sail and at 8.40 went ahead under steam on boilers C and D. Hauled in pat. log at 8.30 reading 16.1. Rigged and put over great gun target and at 9.00 sounded to General Quarters and held Quarterly Great Gun Moving Practice. Ranges varying from 1400 to 1500 yards. Expended 24 - 4" Common Shell (16 percussion primed, 8 electric) 25 - 6 pdr. Common Shell, 24 - 1 pdr. Common Shell, and 500 6 m/m Cartridges. Secured at 10.45. Picked up target and went ahead on course S.W. by S. at 11.00. Put over pat. log reading 16.1. Set all fore and aft sail. At 12.00 changed course to S.W. p.l. reading 21.8. Mercurial Barometer at end of watch 30.20. Set deck clock back 8 minutes. Av. steam 48. Av. Revs. 33.3

W. H. Gherardi Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Gentle S.S.E. & E. breezes. In 3rd period instructed watch below in knotting and splicing, watch on deck in lead of gear and the unsatisfactory apprentices of 1st, 2nd, and 5th divisions were instructed in seamanship, small arm practice and Cutlass Exercise respectively. Continued target firing with 22 calibre rifle. By order of the Commanding Officer placed A.C. Rees, A.S.C., on 5 days confinement on bread and water for positive disobedience of orders. Under steam and all fore and aft sail, on course S.W. (P.S.C.) log 83.5 at end of watch. Av. steam 35. Av. revs. 34.

Ralph Earle,
Ensign U.S.N.

4. to 6. P.M.

Cloudy and pleasant. Light breeze from S.S.E. to S.E. by S. Fore and aft sail set. Steaming on on course S.W. (P.S.C.). Steam 35. Revs. 34.3.

C. M. Fahs
Lieut, U.S.N.

6. to 8 P.M.

Cloudy and pleasant. Light breeze from S.E. by S. and S.E. Barometer rising. Steaming on course S.W. (P.S.C.) Fore and aft sail set. Ship steady. Steam 34. Revs. 33.

W. H. Gherardi
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Moonlight. Light airs from S.S.W. and calm. Barometer steady. At 8.00 changed course to S.W. by W. (P.S.C.). About 9.30 took in all fore and aft sail. Stopped distiller from 8 until 9.00. Ship steady. On course S.W. by W. (P.S.C.) under steam alone. Average steam pressure 39 lbs., average revolutions 83.5.

W. W. Gamon,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd. Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount. scale 10th.	State of the Sea.
A. M.																		
1	5	5	93.1	S.W.x W.	E.S.E.	1			30.19	74	72	70	72	bc	a-cu		9	3
2	5	6	98.7	"	"	2			30.19	74	72	70	72	"	a-cu		5	"
3	6	0	4.7	"	"	1			30.19	76	72	70	72	oc.	a-cu		10	"
4	6	1	10.8	"	"	1			30.19	77	72	70	72	bc.	"		9	"
5	6	0	16.8	"	"	1			30.19	76	72	70	72	"	"		7	"
6	5	9	22.7	"	"	2			30.21	76	72	70	72	"	"		7	"
7	5	7	28.4	"	"	2			30.24	76	72	70	72	"	"		7	"
8	5	5	33.9	"	"	2			30.25	79	72	70	72	"	a-cu		5	"
9	5	0	38.9	W.S.W	S.E. by E.	3			30.27	79	72	71	72	"	"		4	"
10	6	1	45.0	"	"	3			30.27	79	74	72	72	"	"		4	"
11	6	0	51.0	"	E.S.E.	3			30.27	80	79	74	72	"	a-s a-cu		5	"
Noon.	6	8	57.8	"	"	2			30.27	80	80	75	72	"	"		2	"

Position at 8 A. M. { Latitude by D.R. 21° 25' 18" N. Mag Temp
Longitude by Obs 27° 19' 43" W. Corr Alt.
Position at noon: { Latitude by observation 21° 09' 33" N. 78 - 72 70
Longitude by observation 27° 37' 43" W.
Latitude by D. R. 21° 08' 30" N.
Longitude by D. R. 27° 37' 12" W.

Course made good since preceding noon: S. 34° W.

Distance made good since preceding noon: 105 miles.

Distance by Log since preceding noon: 136 miles.

Current per hour: 0.4 miles, set West true.

Position at 8 P. M. { Latitude by D.R. 20° 54' 39" N.
Longitude by Obs 28° 17' 47" W.

Variation of compass: from chart 19° 00' Wly.

Error of compass observed at 4:05 21° 03' Wly

Deviation of compass on West 2° 03' Wly

Water expended during the preceding 24 hours, 500 gallons.

Water Distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 1760 "

Coal consumed during the preceding 24 hours, 10 tons, 2200 lbs.

Coal remaining on hand at noon, 117 " 1046 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movement.	CLOUDS. Amount. scale 10th.	State of the Sea.
P. M.																		
1	5	3	57.3	W.S.W. West	N.E.	0-1			30.25	82	79	74	74	bc	3-cu		2	3
2	5	4	63.4	"	"	0-1			30.24	81	79	74	74	"	"		2	"
3	6	7	75.5	"	"	2			30.22	78	78	74	74	"	"		2	"
4	5	0	80.5	"	"	3			30.21	78	74	70	74	"	"		4	"
5	3	7	84.2	"	"	3			30.21	77	74	70	74	"	"		4	"
6	4	2	88.4	"	"	3			30.22	75	73	69	74	"	cu.		6	"
7	4	5	93.7	"	"	3			30.23	75	73	69	74	"	"		5	"
8	4	5	97.4	"	"	3			30.23	75	73	69	74	bcp	cu.m.		5	"
9	4	8	3.2	"	"	4			30.24	74	73	69	74	bc	a-cu		7	"
10	5	0	7.2	"	E.N.E.	4			30.25	74	72	68	74	"	"		5	"
11	6	0	13.3	"	E. by N.	4			30.24	74	73	70	74	"	"		6	"
Mid.	4	6	16.8	"	"	4			30.22	74	73	70	74	"	"		7	"

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Friday, January 12th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and pleasant. Bright moonlight. Moon set at 3:45. Light airs & light breeze from E.S.E. Under steam alone on course S.W. by W. Steaming on C & D boilers. Ship rolling 5° each side, 6 times a minute. Av. steam 37. Av. revolutions 33.

J. H. Baldwin Ensign, USN.

4. to 8. A.M.

Fair and pleasant. Light E.S.E. to airs and breeze. Barometer rising. Ship rolling easily 5 per minute max. 6° each side three on port beam. At 5:00 set the fore and aft sail, save main topmast staysail. On course S.W. by W. (P.S.C.) under steam and fore and aft sail, Log 33.9, at end of watch. Av. steam 38. Av. revs. 34.5.

Ralph Earle, Ensign, USN

8. A.M. to Meridian.

Fair and warm. Gentle to light breeze from E.S.E. to E.S.E. Fore and aft sail set save main topmast staysail. During first half hour set fore sail and fore topsail and at 9:00 set fore topgallantsail and fore royal, and took in main topsail. At 11:38 took in spanker. Steaming on course S.W. by W. (P.S.C.). At 9:30 changed course to W.S.W. (P.S.C.) At 9:30 went to general quarters. After securing, inspected and aired bedding. At 11:30 piped down aired bedding. The Commander renewed the acting appointment of Wm. Laub as Chief Quartermaster from this date. The Commander gave 16½ hours extra duty to T. F. Hollings (a.s.c.) for being insolent to the Quartermaster of the watch and for reading while on life buoy watch. Ship nearly steady. Av. steam 37. Revs. 35-1. Reeving off new topsail sheets. Set Clock back 7 minutes. All divisions ready in 4½ min. at general quarters.

C. W. Parks Ensign, USN.

Meridian to 4. P.M.

Clear and pleasant. Light to gentle breeze from N.E. Barometer falling slowly. At 3:30 set main topsail, topgallantsail, and royal and at 3:45 set spanker and main staysail. At 12:15 changed course to West (P.S.C.) Exercised unsatisfactory boys of 3d, 2d, and 4th divisions in gunnery, seamanship and signals, and held routine exercises. At 3:30 stopped steaming and uncoupled screw. Course West at end of watch under sail alone, all sail set save mainsail and main topmast staysail. Set fires due out under boiler "C" and continued fires under boiler "D" for distilling. Steam 36. Revs. 34.9. Finished reeving off new topsail sheets. Tested magazine and sprinkling and drain locks. Cleaned and disinfected bilges.

W. J. Marion Ensign, USN.

4. to 6. P.M.

Clear and pleasant. Gentle breeze from N.E. Barometer rising slowly. Exercised at fire quarters, call being sounded at 5:01-; the divisions reported ready as follows:- 4th ½ minute; Powder, 1; 1st and 2nd, 1¼ minutes; Navigators and 3rd, 1½; and 5th in 2 minutes. Sounded call to secure at 5:09½. All divisions reported secure in 4 minutes. Set main topmast staysail about 5:15. On course West (P.S.C.) under all sail save mainsail.

W. J. Marion Ensign, USN.

6 to 8 P.M.

Cloudy and pleasant. Gentle breeze from N.E. On course West (P.S.C.) under all sail except mainsail. At 7:00 took in main topmast staysail.

J. H. Baldwin Ensign, USN.

8. P.M. to Midnight.

Fair and pleasant. Moderate N.E. veering to E. by N. by E. breeze. Bright moonlight. Ship rolling 5 per min. 10° port and 5° starboard. Hauled down jib and flying jib. Took in topsail and spanker at 11:38. On course West (P.S.C.) under square sails, save mainsail, and fore & topmast staysail, Log 16.8 at end of watch.

Ralph Earle, Ensign, USN.

Examined and found to be correct.

F. F. Lafler Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, **3rd Rate,**

Making passage from Funchal Madeira to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	4	1	209	West	E by N.	4			30 21	72	70	69	73	bc	a-cu		5	S.
2	4	0	24.9	"	ESE.	4			30 21	73	71	69	73	"	"		5	"
3	4	0	28.9	"	"	4			30 20	74	73	69	73	"	ci		4	"
4	4	9	32.8	"	"	4			30 21	71	72	70	73	"	"		3	"
5	4	0	36.8	"	E by N.	4			30 20	75	74	69	73	"	"		3	"
6	5	1	41.9	"	E by E.	4			30 19	74	73	69	73	"	"		2	"
7	5	6	47.5	"	"	4			30 20	74	72	69	73	"	ci-s		5	"
8	5	9	53.4	"	"	4			30 21	75	72	69	73	"	"		5	"
9	5	4	58.8	"	"	4			30 23	76	73	69	73	"	"		5	L.
10	5	2	64.0	"	E by N.	4			30 25	76	75	70	73	"	"		5	"
11	5	2	69.2	"	"	4			30 29	79	76	72	73	"	"		7	"
Noon.	5	7	74.9	"	"	4			30 21	77	76	73	73	"	a-cu		7	"

Position at 8 A. M. { Latitude by DR. 20 ° 33 ' 51 " N. Longitude by Obs. 29 ° 16 ' 27 " W.

Mag. Temp. Fr. 75- Aft. 74-73

Position at noon: { Latitude by observation 20 ° 27 ' 33 " N. Longitude by observation 29 ° 38 ' 27 " W. Latitude by D. R. 20 ° 26 ' 24 " N. Longitude by D. R. 29 ° 37 ' 19 " W.

Course made good since preceding noon: S. 68° W.

Distance made good since preceding noon: 122 miles.

Distance by Log since preceding noon: 117.1 miles.

Current per hour: 0.2 miles, set West true.

Position at 8 P. M. { Latitude by DR. 20 ° 14 ' 39 " N. Longitude by DR. 30 ° 8 ' 27 " W.

Variation of compass:

Error of compass observed at } No observations.

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1450 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 3 tons, 880 lbs.

Coal remaining on hand at noon, 114 " 166 "

P. M.																		
1	4	5	76.4	West	East	4			30 20	80	76	73	73	bc	a-cu		7	L.
2	4	7	81.1	W ½ N.	"	4			30 20	80	76	73	73	"	"		8	"
3	4	8	85.8	"	"	4			30 19	79	74	70	73	"	"		8	"
4	4	6	89.6	"	E by N.	4			30 20	78	73	70	73	"	"		8	"
5	5	2	94.8	"	"	4			30 20	78	73	70	73	"	"		5	"
6	5	0	99.8	"	"	4			30 20	78	73	70	73	"	"		4	"
7	5	0	4.8	"	"	4			30 20	77	72	70	73	"	"		5	"
8	5	1	9.9	"	East	4			30 22	77	72	71	73	"	"		4	"
9	4	9	14.8	"	"	4			30 24	77	74	70	73	"	s-cu		9	"
10	5	0	19.8	"	E by S.	4			30 25	77	73	70	73	oc	a-st		10	m.
11	5	3	25.1	"	"	5			30 23	77	73	70	73	"	cu-a		10	"
Mid.	5	4	30.5	"	East	5			30 23	76	73	70	73	"	"		10	"
	5	3	35.8	"	"	5			30 22	76	73	70	73	"	Fr.		10	"

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, January 6th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Moderate breeze from E by N. to East. Ship rolling 6 times per minute at times, to an old swell on stbd. beam; maximum roll 12° to each side. Course West (P.S.C.) All square sail set save the mainsail; fore topmast staysail set. Bright moonlight.

Chas. Fahs
Lieut, USN.

4 to 8 A.M.

Fair and pleasant. Moderate breeze from East to E.N.E. Barometer about steady. Ship rolling easily to old swell on stbd. beam 10° to stbd. and 18° to port as maximum. Course West (P.S.C.) At 6:00 set spanker, at 6:45 main topsail, and at 7:00 jib and flying jib. Hauled down fore topmast staysail at 7:35. Moon set at 4:30. At end of watch under all sail save fore and main topmast staysails and mainsail. Distilling.

Albert Gleaves
Ensign, USN

8 A.M. to Meridian

Fair and pleasant. Moderate breezes from E.N.E. and S by W. Barometer rising slowly, then falling slowly. Finished general cleaning of decks etc. Took in main topsail about 8:15 and spanker about 9:35. Two divers here at 9:30. By order of the Commanding Officer released from confinement and restored to duty W. J. Meeks (Sdc.) his term of confinement having expired. Punishments awarded by the Commanding Officer:- P. Anderson (S.C. # 1) continued and habitual use of profane language on gun deck - 3 days solitary confinement on bread and water; W. J. Meeks (Sdc.) having a black neckerchief lashed up in his hammock - 4 hours extra duty; G. A. Burnes (A.S.C.) loaning clothes to mess - 4 hours extra duty. At 11:30 set deck clock back 5 minutes. Under all sail except fore and main topmast staysails, mainsail, main topsail and spanker on course West (P.S.C.). Ship rolling 6 times per minute; maximum roll 15° to starboard and 14° to port. Distilling.

W. J. Marion
Ensign, USN

Meridian to 4 P.M.

Cloudy and pleasant. Moderate breeze from East and S by W. On course West (P.S.C.) till 1:15 when changed to W¼N. (P.S.C.) by L reading 76°. Under jib, flying jib, foresail, topsails, topgallantsails and royals. At 2:00 hauled down flying jib. Acting appointment of R. Ballard (A.S.C.) received this day. Ship rolling occasionally 20° each side.

R. R. Ballard Ensign, USN

4 to 6 P.M.

Overcast and cloudy. Moderate E.N.E. by breezes. Ship rolling 6 per minute, max. of 21° each side to swell on starboard quarter. At 5:15 went to quarters and held setting up drills. On course W¼N (P.S.C.) log 4.8 at end of watch under same sail as previous watch.

Ragle Gaede,
Ensign USN

6 to 8 P.M.

Cloudy and pleasant. Moderate breeze from East. Ship making roll at times at rate of 6 rolls per minute to swell on stbd. quarter, 18° to each side. Course W¼N. (P.S.C.) under jib and all square sail save mainsail.

Chas. Fahs
Lieut, USN.

8 P.M. to Midnight.

Overcast and pleasant. Moderate to stiff breeze from East to E by S. Barometer about steady. Ship rolling easily to moderate following sea about 6 times per minute, max. 20° each side. Course W¼N (P.S.C.). Same sail as in preceding watch stopped during the middle watch at eight o'clock and allowed fires to die out.

Albert Gleaves
Ensign, USN

Examined and found to be correct.

F. F. Lafler
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each in tenth.	State of the Sea.
A. M.																		
1	5	3	41.1	W. ½ N.	E. by N.	5			30.32	76	73	70	73	oc.	Ci.		10	M.
2	5	6	46.6	"	"	5			30.20	76	73	70	73	"	"	"	10	"
3	5	5	52.1	"	"	5			30.17	76	73	70	73	lc.	cu-m.		8	"
4	5	7	57.8	"	"	5			30.15	76	73	71	73	"	"		9	"
5	5	7	63.5	"	East	5			30.13	76	73	69	73	"	"		9	"
6	6	5	70.0	"	"	6			30.13	77	73	69	73	"	"		8	"
7	6	4	76.4	"	E. by S.	6			30.14	77	73	69	73	"	"		7	"
8	6	8	83.2	"	"	6			30.17	77	73	69	73	"	"		8	"
9	6	6	89.8	"	"	6			30.19	77	74	70	74	"	"		9	"
10	6	5	96.3	"	East	6			30.21	78	75	71	74	"	a-cu		9	"
11	6	4	2.7	"	"	6			30.20	79	75	71	74	"	"		9	"
Noon.	7	3	10.0	"	"	6			30.18	80	78	74	75	"	"		7	"

Position at 8 A. M.: Latitude by DR. 19° 49' 09" N. Mag. Amp. —
Longitude by Obs. 31° 32' 00" W. Amp. Ast. —

Position at noon: Latitude by observation 19° 42' 00" N. 75 - 74-72
Longitude by observation 31° 59' 00" W.
Latitude by D. R. 19° 43' 27" N.
Longitude by D. R. 31° 54' 27" W.

Course made good since preceding noon: S. 71° W.

Distance made good since preceding noon: 139 miles.

Distance by Log since preceding noon: 135.1 miles.

Current per hour: 0.2 miles, set West true.

Position at 8 P. M.: Latitude by DR. 19° 37' 10" N.
Longitude by Obs. 32° 52' 45" W.

Variation of compass: from Chart. 18° 00' W'ly

Error of compass observed at H: 37 21° 32' W'ly

Deviation of compass on W. N. W. ½ W. 3° 32' W'ly

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 87 00 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 113 " 606 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each in tenth.	State of the Sea.
P. M.																		
1	4	3	14.8	W. ½ N.	East	6			30.15	79	78	74	75	lc.	a-cu		7	M.
2	6	7	22.7	W. N. W. ½ W.	"	6			30.15	79	78	74	75	"	"		7	"
3	6	8	29.5	"	"	6			30.13	79	77	74	75	"	cu		7	"
4	6	7	36.2	"	"	6			30.13	78	77	74	75	"	"		8	"
5	6	8	43.0	"	E. by S.	6			30.16	77	75	71	75	"	"		9	"
6	5	9	48.9	"	"	5			30.17	77	75	71	75	"	"		9	"
7	6	0	54.9	"	E. by S.	6			30.19	76	75	71	75	"	"		9	"
8	6	4	61.3	"	"	6			30.22	75	74	70	75	"	cu-n.		9	"
9	5	7	67.0	"	E. by S.	5			30.22	75	75	70	75	cap.	"		10	M.
10	6	0	73.0	"	"	5			30.22	75	75	70	75	oc.	"		10	"
11	5	8	78.8	"	"	5			30.21	74	74	70	75	"	"		10	"
Mid.	6	0	84.8	"	"	5			30.20	76	74	71	75	"	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, January 14th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Overcast and cloudy. Stiff breeze from E by N. Barometer falling slowly. Ship rolling 5° per minute to following sea; maximum roll 35° to starboard and 35° to port. On course W. ¼ N. (P.S.C.) under same sail as during preceding watch.

A. H. Hanson
Ensign, USN.

4 to 8 A.M.

Cloudy and fair. Stiff to fresh breeze from East and E by S. On course W. ¼ N. (P.S.C.), Under g/s, fore-sail, topsails, topgallantsails, and royals. At 5:30 took in royals. At 7:15 took in fore topgallant, to secure head carriage. Ship rolling 30° each side in long following swell. Morning reveille at 5:30.

T. P. Baldwin Ensign, USN

8 A.M. to Meridian.

Cloudy and pleasant. Fresh E by S. ½ S. to East ½ S. breeze. Ship rolling 6 per minute, max. of 23° each side, to moderate following sea. At 9:30 mustered at quarters; no absentees, and the Commanding Officer inspected ship and crew. The Chaplain held divine service. Set the fore topgallant sail at 8:15. By order of the Commanding Officer released C. D. Mullen, A.S.C., from confinement, his term having expired; and assigned punishments as follows:- J. F. Seyman, A.S.C., making buck cloth fast to topmast rigging while on lookout, 5 hours extra duty; C. V. Eddings, A.S.C., habitual neglect of gun bright work, 3½ hours extra duty. On course W. ¼ N. (P.S.C.) log 10 at end of watch, under topsails, topgallantsails, foresail and jib. At 11 80 set clock back 6 minutes.

Ragle Gore,
Ensign, USN.

Meridian to 4 P.M.

Cloudy and pleasant. Fresh breeze from East. Under topgallantsails, topsails, foresail, and jib. At 12:10 took in jib and set fore topmast staysail. At 1:00 set fore clew of mainsail. At 2:35 changed course from W. ¼ N. (P.S.C.) to W. N. W. ½ W. (P.S.C.). Ship rolling 6 rolls per minute to following swell; 35° to port and 32° to stbd being the max. rolls.

E. M. Fahs
Lieut, USN.

4 to 6 P.M.

Cloudy and pleasant. Fresh to stiff breeze from E.S.E. Barometer rising. At 4:10 took in the clew of mainsail and at 5:10 took in and furled fore topgallantsail. Ship rolling to following sea max. rolls 35° to port and 32° to stbd. Period 6 times per minute. Course W. N. W. ½ W. (P.S.C.). Clouds obscuring the moon until 6 o'clock.

A. H. Hanson
Ensign, USN.

6 to 8 P.M.

Cloudy and pleasant. Bright moonlight at times. Fresh breeze from E by S. Barometer rising. Ship rolling 6 times per minute to long following sea; maximum roll 30° to port and 26° to stbd. On course W. N. W. ½ W. (P.S.C.) under fore and main topsails, fore topmast staysail, foresail, and main topgallantsail.

A. H. Hanson
Ensign, USN.

8 P.M. to Midnight.

Overcast and cloudy. Moon showing through at intervals. Fresh breezes from E by S. On course W. N. W. ½ W. (P.S.C.) under fore topmast staysail, foresail, topsails, and main topgallantsail. Ship rolling 6 times a minute to swell on stbd. quarter, maximum roll 31° port, 35° starboard.

T. P. Baldwin Ensign, USN.

Examined and found to be correct.

F. F. Lemon
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B W I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each=10.	State of the Sea.
A. M.																		
1	5	5	90.3	W.N.W½W.	E by S.	5			30.21	77	75	71	75	oc.	a.s.		10	m
2	6	1	96.4	"	"	6			30.18	79	75	71	75	"	ns.		10	"
3	6	3	27	"	"	6			30.17	79	75	71	75	"	"		10	"
4	6	6	9.3	"	"	6			30.18	79	76	72	75	"	"		10	"
5	6	4	15.7	"	East.	6			30.16	78	75	72	75	"	Cu-m.		10	"
6	6	4	22.1	"	"	6			30.16	78	76	72	75	"	"		10	"
7	6	7	28.8	"	"	6			30.17	79	75	72	75	"	"		10	"
8	6	5	35.3	"	E by S.	6			30.20	79	75	72	75	"	"		10	"
9	6	4	41.7	"	"	6			30.22	79	75	73	75	"	"		10	"
10	6	8	48.5	"	"	6			30.21	79	76	73	75	"	"		10	"
11	6	4	54.9	"	"	6			30.20	80	76	73	75	ocp.	"		10	"
Noon.	7	0	62.9	"	E.S.E.	6			30.19	80	76	73	75	oc	"		10	"

Position at 8 A. M.: Latitude by DR. 19° 30' 46" N. Mag. Temp. Aft.
Longitude by Obs. 34° 11' 00" W. For. Aft. 75- 74

Position at noon: Latitude by observation 19° 35' 56" N. 75-
Longitude by observation 34° 35' 24" W
Latitude by D. R. 19° 28' 48" N.
Longitude by D. R. 34° 40' 12" W.

Course made good since preceding noon: S. 88° W.

Distance made good since preceding noon: 149 miles.

Distance by Log since preceding noon: 151.9 miles.

Current per hour: 0.3 miles, set N.N.E ½ E. true.

Position at 8 P. M.: Latitude by DR. 19° 31' 30" N
Longitude by DR. 35° 30' 12" W

Variation of compass:
Error of compass observed at } No observations
Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.
Water during the preceding 24 hours, — "
Water remaining on hand fit for use at noon, 2200 "
Coal consumed during the preceding 24 hours, tons, 1800 lbs.
Coal remaining on hand at noon, 112 " 1046 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, each=10.	State of the Sea.
P. M.																		
1	5	8	67.7	W.N.W½W	E.S.E.	6			30.19	79	76	72	75	oc	ocn		10	L
2	6	4	74.1	"	"	6			30.16	80	76	73	75	"	"		10	"
3	6	5	80.6	"	"	6			30.15	80	76	72	75	ocp.	"		10	"
4	6	4	87.0	"	"	6			30.15	78	75	70	76	oc	"		10	"
5	6	4	93.4	"	SE.	6			30.13	78	76	72	75	ocp.	"		10	"
6	7	3	100.7	"	"	6			30.14	78	74	72	76	"	"		10	"
7	6	8	7.5	"	"	6			30.17	78	75	72	75	oc	"		10	"
8	6	1	13.6	"	E.S.E by E.	6			30.18	75	75	72	75	ocd	"		10	"
9	5	6	14.5	W.N.W.½W.	"	6			30.18	77	74	73	75	"	"		10	"
10	6	8	27.0	"	"	6			30.18	77	74	72	75	"	"		10	"
11	6	6	33.8	"	E.S.E.	6			30.15	76	74	73	75	ocn	m.		10	"
Mid.	7	2	41.0	"	"	6-7			30.14	76	73	72	75	"	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast & Cloudy. Stiff by fresh S by S. by breezes. Ship rolling 6 per minute & moderate following seas, max of 26° port and 23° stbd. Under topsails, foresail, main t'gallantsail, and fore topmast staysail on course W.N.W. ½ W. (P.S.C.) Log 9.3 at end of watch.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant. Fresh breeze from East to S by S. Ship rolling 6½ times per minute to following swell 25° to each side. Under fore topmast staysail, fore and main topsails, forecast, and main t'gallantsail. Course W.N.W. ½ W. (P.S.C.) Moon set at 5.05. A full rigged ship passed astern about 5.30 bound to the South.

C. M. Fahs
Lieut. USN.

8 A.M. to Meridian.

Overcast and pleasant. Fresh breeze from S by S. to S.S.E. Barometer falling slowly. At 9.30 mustered at quarters. No absentees. After muster instructed divisions. Commenced the monthly issue of clothing and small stores. A four-masted ship crossed ahead of us bound North about 5.50 and was in sight about half an hour. At 11.50 set fore t'gallantsail. Ship rolling to following sea about 6 times per minute. Maximum rolls 35° to port and 30° to starboard. Course W.N.W. ½ W. (P.S.C.) End of watch under t'gallantsails, topsails, forecast, fore topmast staysail. Set clock back 5 minutes.

Ellicott
Ensign, USN

Meridian to 4 P.M.

Overcast and pleasant with light passing shower during third hour. Fresh breeze from E.S.E. Barometer falling slowly. Ship rolling 6 times per minute to following seas; maximum roll 30° to starboard and 30° to port. Exercised watch on deck in land of gear and sails; exercised apprentices of 3d, 4th, and 5th divisions on subjects in which they were deficient. On course W.N.W. ½ W. (P.S.C.) under fore and main topsails, t'gallantsails fore topmast staysail and forecast.

W. J. Monson
Ensign, USN

4 to 6 P.M.

Overcast. Stiff breeze from S.E. On course W.N.W. ½ W. under fore topmast staysail, forecast, topsails, and t'gallantsails. Mustered at quarters at 5.15, and exercised at setting up drill. Ship rolling in following swell 6 times a minute. Maximum roll 28° each side.

F. R. Baldwin Ensign, USN

6 to 8 P.M.

Overcast and cloudy with drizzling rain last hour. Fresh S.E. to S.S.E. by E by breezes. Barometer rising. Ship rolling to following sea 6 per minute, max of 27° each side. Under topsails, t'gallantsails forecast, and fore topmast staysail, on course W.N.W. ½ W. (P.S.C.) Log 13.6 at end of watch.

Ralph Earle,
Ensign, USN

8 P.M. to midnight.

Overcast and rainy. Fresh breeze from S.E by E. to S.S.E. Under fore topmast staysail t'gallantsails, topsails, and forecast. At 8.15 changed course from W.N.W. ½ W. (P.S.C.) to W.N.W. ½ W. (P.S.C.) Pat. Log 14.8. Ship rolling at times, 6 times per minute, 30° to each side, to a following swell.

C. M. Fahs
Lieut. USN.

Examined and found to be correct.

F. F. Leigh
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movtns. Forms.	CLOUDS. Amount, scale 10th.	State of the Sea.
A. M.																		
1	7	/	48.1	W.N.W. 3/4 W.	E.S.E.	6-7			30.11	74	73	73	75	ocr	Cu-m		10	L
2	7	0	55.1	"		7			30.10	74	73	73	75	ocrg	"		10	"
3	6	6	61.7	"	S.E. by E.	6-7			30.11	74	73	73	75	"	N.		10	"
4	6	/	67.8	"	"	6			30.09	74	72	72	75	ocr.	"		10	"
5	6	7	74.5	"	"	6-7			30.06	74	70	70	75	ocg	"		10	"
6	5	5	80.0	"	S.E. by S	6			30.09	75	69	68	75	ocrf.	"		10	"
7	6	/	86.1	"	S.E.	6			30.12	74	69	69	75	"	"		10	"
8	7	7	93.8	"	S.E.E.	6-7			30.13	73	70	69	75	bcg	cu-m		8	"
9	7	9	1.7	"	"	6-7			30.13	76	70	69	75	"	"		8	"
10	6	H	8.1	"	"	6			30.14	78	74	70	75	bc	"		9	"
11	6	H	14.5	"	S.E. by S.	6-6			30.13	78	75	73	75	ocr.	"		10	"
Noon.	8	/	22.6	"	"	5-6			30.11	78	74	74	75	ocr.	m.		10	"

Mag Temp 76 75-74

Position at 8 A. M.: Latitude by D.R. 19° 21' 54" N. Longitude by Obs. 37° 06' 23" W.

Position at noon: Latitude by observation — Longitude by observation 37° 36' 47" W. Latitude by D. R. 19° 20' 56" N. Longitude by D. R. 37° 25' 06" W.

Course made good since preceding noon: S. 85° W.

Distance made good since preceding noon: 176 miles.

Distance by Log since preceding noon: 160.7 miles.

Current per hour: 0.5 miles, set West true.

Position at 8 P. M.: Latitude by D.R. 19° 16' 26" N. Longitude by D.R. 38° 31' 17" W.

Variation of compass:

Error of compass observed at } No Observations

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 112 " 446 "

P. M.																		
1	6	6	29.3	W.N.W. 3/4 W.	S.S.E.	6			30.09	79	74	74	75	ocr	N.		10	R.
2	6	6	35.8	"	"	6			30.06	77	74	74	75	ocd.	cu-m		10	"
3	7	/	43.9	"	"	6	5°		30.04	76	73	73	75	ocf	"		10	"
4	7	5	50.4	"	S. by E	7	6°		30.05	76	74	73	75	"	"		10	"
5	6	6	57.0	W. by N.	"	7	—		30.04	76	74	73	75	"	"		10	"
6	6	0	63.0	"	"	7	—		30.07	76	74	72	75	bcf	"		9	"
7	5	6	68.6	"	S.S.E.	6	5°	1/8	30.09	76	73	73	75	ocr	N.		10	N.
8	5	6	74.2	"	S. by E.	5-7	4°	1/8	30.10	76	75	74	75	ocfg	cu-m		10	"
9	5	4	79.6	W. 3/4 W.	"	5	—	1/4	30.11	76	74	73	75	ocf	"		10	"
10	6	0	85.6	"	"	5-6	5°	1/4	30.11	76	74	73	75	bc.	"		6	"
11	7	8	92.8	"	"	6	5°	1/4	30.10	76	74	72	75	"	"		9	"
Mid.	7	0	99.8	"	"	6	5°	1/4	30.09	76	74	72	75	"	"		9	"

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, January 16th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and rainy. Fresh to very fresh breeze from E.S.E. to S.E. by E. Barometer falling slowly. At 1:15 took in fore topgallant and at 1:45 took in main topgallantsail. Ship rolling to following sea at times deeply, about 6 times per minute. Maximum roll 30° to stbd. and 27° to port.

Ensign, USN.

4 to 8. A.M.

Overcast, cloudy, and foggy, and passing rain squalls. Fresh and very fresh breezes from S.E. by E. to S.S.E. Barometer rising. Set topgallantsails about 6:30 and took them in about 7:40. Set jib at 7:30. Ship rolling about 6 times per minute; estimated maximum roll 30° to starboard and 26° to port. On course W.N.W. 3/4 W. (P.S.C.) under topsails, forecsail, jib and fore topmast staysail at end of watch.

W. J. Marion
Ensign, USN.

8 A.M. to Meridian.

Overcast. Raining lightly after 11:00. Stiff to fresh breezes from S.S.E. and S.E. by S. On course W.N.W. 3/4 W. Under jib, fore topmast staysail, forecsail and topsails. At 5:30 hauled down jib. At 10:30 set topgallant sails and mainsail. And at 11:45 set jib. At 9:30 mustered at quarters and all divisions were given instruction. P. Anderson (S.C.H.C.) and C. P. Ross (App. S.C.) were released from confinement their terms having expired. The following punishments were awarded by the Captain: E. J. Colby (A.S.C.) and Ed. Chapman (A.S.C.) confined on bread and water for 3 days for being asleep on life buoy watch. E. V. Eddings (A.S.C.) solitary confinement for 5 days on bread and water for being abusive and threatening language to Master-at-Arms W. H. Ross (M.A.M.) 98 hours extra duty for losing government property. Set clock back 10 minutes.

P. F. Baldwin Ensign, USN.

Meridian to 4 P.M.

Overcast, cloudy, and generally rainy. Fresh S.S.E. by E. to S. by E. Light breezes. Barometer falling. Ship pitching and rolling at times 15° to stbd. and 10° to port, in trough following seas. At 3:40 took in and furled topgallantsails, took in mainsail and set main trysail. Under topsails, forecsail, jib, fore topmast staysail and main trysail, on course W.N.W. 3/4 W. (P.S.C.), Log 80.4 at end of watch.

Ralph Earle,
Ensign, USN.

4 to 6 P.M.

Cloudy with passing rain squalls. Fresh breeze from S. by E. At 4:00 changed course from W.N.W. 3/4 W. (P.S.C.) to W. by N. (P.S.C.). Furled the mainsail. At 5:45 took single reef in the topsails, and sent down royal yards.

Chas. Parks
Lieut., USN.

6 to 8 P.M.

Overcast with light passing rain showers. Fresh to stiff breeze from S.S.E. to S. by E. Barometer rising slowly. Course W. by N. (P.S.C.). At 8:00 changed course to W. 3/4 N. (P.S.C.). At end of watch under single reefed topsails, forecsail, main trysail, fore topmast staysail and jib. Ship rolling easily to sea on port quarter, about 5 times per minute. Max. roll 10° to port and 10° to stbd.

Ensign, USN.

8 P.M. to Midnight.

Fair and pleasant but light passing showers first hour. Bright moonlight at times. Stiff and fresh breeze, from S. by E. Barometer falling slowly. At 9:55 set topgallantsails and main topmast staysail. On course W. 3/4 N. (P.S.C.) under single reefed topsails, topgallantsails, fore and main topmast staysails, jib, forecsail and main trysail. Ship rolling 5 times per minute to sea on port quarter. Maximum roll 30° to starboard, and 10° to port.

W. J. Marion
Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Lieut. & Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal Madeira, to St. Kitts B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb	TEMPERATURE. Air Wet Bulb	TEMPERATURE. Water Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	7	0	6.8	W 3/4 N.	S by E.	6	5°	1/4	30 09	76	74	73	75	bc.	cu-m		9	S
2	6	6	13.4	"	"	6	5°	1/4	30 08	76	74	73	75	"	"		9	"
3	6	4	19.8	"	"	6	5°	1/4	30 06	76	74	73	75	bcfg.	"		9	"
4	7	0	26.8	"	"	6	5°	1/4	30 06	76	75	74	75	"	"		9	"
5	6	2	33.0	"	"	6	5°	1/4	30 05	77	75	74	75	bc.	"		9	R.
6	6	0	39.0	"	"	6	5°	1/4	30 05	76	75	74	75	bcfg.	"		9	"
7	5	9	44.9	"	South	6	5°	1/4	30 06	76	75	74	75	bc.	"		8	"
8	6	8	51.7	"	"	6	7°	1/4	30 09	78	75	74	75	"	cu.		7	"
9	6	7	58.4	"	S by E	6	7°	1/4	30 11	79	77	75	75	"	cu-m		5	"
10	6	7	65.1	"	"	6	7°	1/4	30 12	80	78	76	75	bcfg	"		3	"
11	5	9	71.0	"	"	6	7°	1/4	30 12	81	79	77	75	bc.	"		5	"
Noon.	7	0	78.0	"	South	6	7°	1/4	30 10	81	79	77	76	"	"		7	"

Position at 8 A. M. { Latitude by DR. 19° 08' 14" N. Mag. Temp.
Longitude by Alt. 39° 36' 00" W. For'd Aft.

Position at noon: { Latitude by observation 19° 10' 00" N. 75- 75-74
Longitude by observation 40° 06' 48" W.
Latitude by D. R. 19° 05' 38" N.
Longitude by D. R. 40° 20' 05" W.

Course made good since preceding noon: S. 86° W.

Distance made good since preceding noon: 145 miles.

Distance by Log since preceding noon: 155.4 miles.

Current per hour: 0.6 miles, set E. N. E. true.

Position at 8 P. M. { Latitude by DR. 19° 06' 24" N.
Longitude by Alt. 40° 54' 08" W.

Variation of compass: from chart 14° 15' W'ly.

Error of compass observed at 4:25 18° 38' W'ly.

Deviation of compass on W 3/4 N. 4° 23' W'ly.

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 12.00 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 111 " 2086 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb	TEMPERATURE. Air Wet Bulb	TEMPERATURE. Water Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	5	8	83.8	W. 3/4 N.	S. by W.	5	7°	1/2	30 07	81	80	77	76	bc.	cu-m		6	N.
2	5	2	89.0	"	"	5	6°	1/2	30 05	81	80	77	76	"	"		6	"
3	4	8	93.8	"	"	4	6°	1/2	30 06	82	81	79	76	"	"		8	"
4	5	2	99.0	"	South	4	-	1/4	30 06	80	80	78	76	"	"		5	"
5	5	5	4.8	"	"	4-5	5°	1/4	30 05	80	78	76	76	"	"		6	"
6	5	3	10.1	"	"	4	3°	1/4	30 06	79	77	76	76	bcfg	"		7	"
7	5	3	15.4	"	"	4	3°	1/4	30 08	78	77	76	76	"	"		7	"
8	4	6	20.0	"	S by W.	3	3°	1/4	30 10	78	77	76	76	"	"		7	"
9	0	8	20.8	W. 3/4 N.	W. S. W.	2			30 11	76	75	75	76	ocar	min		10	"
10	1	4	-	N by E.	"	2			30 11	76	75	75	76	ocr	"		10	"
11	0	8	-	E. N. E.	SW	1			30 10	77	75	75	76	"	"		10	S.
Mid.	0	6	-	N E by E.	"	2			30 09	77	75	75	76	bcfg	cu-m		9	"

4-25

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 17th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Clearing at intervals. Moonlight. Barometer falling. On course W¾N. Stiff breeze from S by E. Under jib, fore and main topmast staysails, foresail, topgallantsails over single reefed topsails, and main trysail. Ship rolling in swell on port quarter, 10° to starboard, 5° to port, 6 times a minute.

W. P. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Overcast and cloudy with heavy rain in squalls second hour. Weather clearing and fair last hour. Fresh S by E by E to South by E breeze. Barometer rising. Bright moonlight at times first hour. Ship pitching and rolling at times 20° to stbd. and 5° port with head of 5° to 10° stbd. to following sea. At 4:30 shook reefs out of topsails. At end of watch under topsails, topgallantsails, foresail, jib, fore and main topmast staysails, and trysail, on course W¾N. (P.S.C.) Log 51.7.

Ralph Earle,
Ensign, U.S.N.

8 A.M. to Meridian.

Cloudy to fair. Fresh breeze from S by E to South. At 5:30 set mainsail and took in main trysail. At 10:45 set spanker. At end of watch all sail set save flying jib, royals, and main trysail. At 9:30 inspected at quarters. Gave all apprentices instruction. Course W¾N. By clock log 10 miles.

C. McFarland
Lieut. U.S.N.

Meridian to 4 P.M.

Fair and warm. Stiff to moderate breeze from S by W and South. Barometer falling slightly. Exercised watch below at knotting and splicing and watch on deck in head of gear. Instructed unsatisfactory members of 2d, 3d, and 4th divisions in signals, ordnance, and seamanship respectively. At 1:50 took in and furled main topgallantsail and shifted sheets and fore and. At 3:00 crossed royal yards and set flying jib. At 3:30 set main topgallantsail, spanker, and royals. Course W¾N. (P.S.C.) At end of watch under all sail save main trysail. Ship rolling slightly to following swell, max. 10° to stbd. and 4° to port.

Ensign, U.S.N.

4 to 6 P.M.

Generally fair and pleasant, with light passing showers second hour. Moderate and stiff breeze from South. Barometer about steady. At 5:15 mustered at quarters. No absentees. At 4:45 took in royals and flying jib, at 5:00 the mainsail and about 5:30 the spanker. Set main trysail at 5:00. Started fires under B. about 5:45. On course W¾N. (P.S.C.) At end of watch under all plain sail except royals, flying jib, mainsail, and spanker.

Ensign, U.S.N.

6 to 8 P.M.

Overcast. Clearing to windward at intervals. Gentle to moderate breeze from South and S by W. Moon rose at 7:30. On course W¾N under all sail to topgallantsails except mainsail and spanker. Ship nearly steady. Raining slightly at 7:00.

W. P. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Overcast, cloudy with heavy rain. Light variable airs and breezes. At 8:15 hauled in patent log reading 20.8. At 8:15 took in and furled topgallantsails, took in trysail and main topmast staysail. Began distilling at 10:00. On course W¾N. (P.S.C.) until 8:15, and after that steering various courses, full and by on port tack until 10:30 when hauled up foresail and counterbraced yards, ship having no steerage way. At end of watch ship full and by on starboard tack, under topsails, jib, and fore topmast staysail making just steerage way at N.E. by E. (P.S.C.)

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Dry Bulb.	TEMPERATURE. Aft. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	0	9	20.8 21.9	E by N.	S.S.W.	4-5		1/2	30.08	78	76	75	76	bc	cu.n.		7	M.
2	2	3	24.2	W by W.	S.W.	1-3			30.07	77	76	76	76	b.cpy	"		9	"
3	1	3	25.5	N.W.		0-3			30.07	77	75	74	76	"	"		8	"
4	0	5	26.0		S.S.W.	1			30.07	77	76	74	76	bc.	"		6	"
By Chip. 5	0	3	26.0	W.N.W.	S.W by S.	1			30.08	80	75	74	76	"	"		6	L
" 6	1	0	26.7	N.W by W.	S.W.	1			30.10	80	75	74	76	b.cp.	"		7	"
" 7	1	0	26.9	"		1			30.11	78	76	74	76	"	"		8	"
" 8	0	3	—		N.N.W.	1			30.12	78	74	74	76	"	"		8	"
" 9	2	4	27.4	N.E by E.	W.S.W.	2			30.11	78	74	74	76	ocd.	m.		10	L
" 10	1	0	28.4	N by W.	"	1-0			30.11	77	75	75	77	ocfd.	"		10	"
" 11	0	5	28.7	North	West	0-1			30.11	78	73	73	77	ocr.	"		10	"
Noon.	0	0	28.7	Various	Calm	0			30.10	73	73	73	77	"	"		10	"

Position at 8 A. M. { Latitude by DR / Longitude by DR } 19° 11' 30" N. / 41° 01' 14" W. — Mag Temp. Fair 76- / Aft 75-74

Position at noon: { Latitude by observation / Longitude by observation } ° ' " / ° ' "

{ Latitude by D. R. / Longitude by D. R. } 19° 13' 42" N. / 41° 02' 26" W.

Course made good since preceding noon: N. 86° W.

Distance made good since preceding noon: 63 miles.

Distance by Log since preceding noon: miles.

Current per hour: — miles, set — true.

Position at 8 P. M. { Latitude by Alt. Polaris / Longitude by Alt. Venus } 19° 48' 00" N. / 41° 11' 00" W.

Variation of compass: / Error of compass observed at / Deviation of compass on } No observations.

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 110 " 726 "

P. M.																		
1	1	0	—	W. by N.	Calm	0		1/4	30.09	80	73	73	77	b.cd	cu.n		9	S.
2	2	3	30.4	N.W.	S.W.	0-1		1/4	30.06	79	73	73	77	bc.	s-cu.		8	"
3	2	0	31.4	N.W by N.	"	1		1/4	30.07	80	75	74	77	"	"		7	"
4	1	0	31.8	N.W by N.	"	1		1/4	30.07	80	75	74	77	"	"		6	"
5	1	9	32.0	N.W.	"	1		3/4	30.07	79	75	74	77	"	"		7	"
6	0	6	32.3	"	"	1		3/4	30.07	78	75	74	77	"	"		7	"
7	1	0	32.2	N.N.W.	W.S.W.	0-1		—	30.09	80	75	74	77	bd.	cu.n		2	"
8	0	6	32.4	"	"	0-1		—	30.10	80	75	74	77	"	"		2	"
9	1	0	32.5	N.W.	"	0-1		1/2	30.11	80	75	74	77	"	"		4	"
10	0	5	—	"	"	0-1		1/2	30.12	79	75	74	77	bc.	"		5	"
11	3	5	36.0	S.W by W 1/2 W.	"	0-1		—	30.12	79	75	74	77	bd	"		5	"
Mid.	5	3	41.3	"	"	1		—	30.11	78	75	74	77	"	"		5	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, January 18th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy with frequent heavy rains during first three hours. Moderate breeze to light airs from S.S.W. and S.W. Course W. ½ N. (P.S.C.), but steering by the wind during first part of 1st hour headed on S.W. tack, but wore ship at 12:35, setting the foresail and main topsail, which sails were taken in later, leaving the ship under the topsails, jib and fore topmast staysail for remainder of the watch. Moon visible at times. Distilling.

C. M. Fahs
Lieut, USN.

4 to 8. A.M.

Fair to overcast and rainy. Light variable airs. Barometer rising slowly. At daylight sighted a sail bearing about North. At 6:45 set topgallantsails and main topmast staysail, and at 7:15 hauled down main topmast staysail. Full and by. Course W. ½ N. (P.S.C.). Ship rolling slightly to swell from S.W. Distilling. Ship without steerage way several times during watch.

J. Hartsuff
Ensign, USN.

8 A.M. to Meridian.

Overcast, cloudy, rainy, and foggy, with thunder latter half. Light breeze from W.S.W, decreasing to light airs from W.S.W. and West and calm. Barometer falling slowly. No observations at 9:30. No steerage way most of the watch. At 11:00 set deck clock back 6 minutes. Hauled in patent log about 11:20. Punishments awarded by the Commanding Officer: J. A. Foley (A.S.C.) below while watch was on deck, and not going aloft to furl main royal, - reduced to 3rd conduct class; E. B. Geer (A.S.C.), stowing away in hammock, setting while on watch - 3 days confinement on bread and water. All plain sail set except royals, flying jib, main topmast staysail, spanker and spanker. A sail in sight at times, bearing about north-west. Distilling.

W. J. Manon
Ensign, USN.

Meridian to 4 P.M.

Overcast and rainy till 1:30 then clearing. Calm till 1:00, after that light airs from S.W. Under jib, fore topmast staysail, foresail, topsails and topgallantsails and trysail. At 12:20 took in trysail. Put over patent log at 1:20 reading 29.7. At 1:30 set main topmast staysail and topsail. At 2:25 set royals, flying jib and spanker. A sail in sight to the West'd at 1:00.

J. P. Baldwin
Ensign, USN.

4 to 6 P.M.

Cloudy and pleasant. Light S.W. by airs. At 4:30 took in main trysail. At 5:15 went to quarters and held setting up drill. At 5:00 took in and furled royals and flying jib. Steering full and by on port tack making N.W. (P.S.C.). At end of watch under topgallantsails, topsails, forestail, jib, and fore and main topmast staysails.

Ralph Earle
Ensign, USN.

6 to 8. P.M.

Fair and pleasant. Light airs from W.S.W. Course West (P.S.C.) but steering full and by. Under topgallantsails, topsails, foresail, jib and fore topmast staysail. At 6:30 lighted fires under boiler B. At 7:40 took in and furled the topgallantsails.

C. M. Fahs
Lieut, USN.

8 P.M. to Midnight.

Fair and pleasant. Bright moonlight. Lightning in S.E. Light W.S.W. airs and calms. Barometer about steady. Moon rose at 8:00. At 8:50 hauled up foresail. At 9:40 took in and furled topsails, and furled foresail also. Hauled down head sails, coupled up screw and at 10:12 started ahead on engines and put over patent log reading 32.5 and set the course S.W. by W. ½ W. (P.S.C.). Ship rolling last part of watch to N.E. by swell about 8 times per minute. Max. 8.5° each way. Steam 40 lbs. 36

W. J. Manon, Ensign USN

Examined and found to be correct.

F. J. Looper.
Lieut Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, make 10 in.	State of the Sea.
A. M.																		
1	5	7	46.0	SW by W ½ W	SW by W	1			30.10	77	75	73	76	hc	a-cu		3	L
2	4	6	50.6	"	"	1			30.09	77	75	73	76	"	fr-cu		3	"
3	4	9	54.8	"	"	1			30.09	77	75	73	76	"	cu		4	"
4	4	6	59.4	"	"	1			30.09	77	75	74	77	"	"		4	"
5	4	9	64.3	"	"	1			30.08	77	75	74	77	"	"		2	"
6	5	3	69.6	"	"	1			30.09	81	75	74	77	"	"		3	"
7	5	2	74.8	"	"	1			30.12	81	75	74	77	"	"		4	"
8	5	6	80.4	"	"	1			30.16	83	75	74	77	"	"		4	"
9	5	4	85.8	"	"	1			30.18	83	76	75	77	"	"		4	"
10	5	6	91.4	"	West	1			30.18	88	83	80	78	"	"		5	"
11	5	9	96.6	WSW ½ W	WNW	1			30.18	88	85	81	78	"	"		3	"
Noon.	5	8	2.4	"	"	1			30.17	89	80	78	78	"	"		2	"

Position at 8 A. M. { Latitude by LOR / Longitude by Obs } 19° 14' 18" N. Mag Temp Aft. 77-76 / 41° 56' 08" W. Fore

Position at noon: { Latitude by observation 19° 23' 00" N. 78- / Longitude by observation 42° 12' 00" W. / Latitude by D. R. 18° 32' 54" N. / Longitude by D. R. 42° 06' 08" W.

Course made good since preceding noon: S. 79° W.

Distance made good since preceding noon: 170 miles.

Distance by Log since preceding noon: 173.4 miles.

Current per hour: 0.6 miles, set N. 10° W. true.

Position at 8 P. M. { Latitude by Alt. Polaris 18° 41' 55" N / Longitude by Obs. Venus 42° 54' 05" W.

Variation of compass: from chart 13° 00' W'ly

Error of compass observed at 4:20 17° 14' W'ly

Deviation of compass on W.S.W. ½ W. 4° 14' W'ly

Water expended during the preceding 24 hours, 5-00 gallons.

Water distilled during the preceding 24 hours, 1150 "

Water remaining on hand fit for use at noon, 2350 "

Coal consumed during the preceding 24 hours, 8 tons, 480 lbs.

Coal remaining on hand at noon, 102 " 240 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water. Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, make 10 in.	State of the Sea.
P. M.																		
1	4	9	7.3	WSW ½ W	Calm	0			30.15	89	80	75	78	hc	a-cu		3	L
2	5	5	12.8	"	"	0			30.14	89	83	80	78	"	"		4	"
3	5	5	18.3	"	East	1			30.13	90	81	79	78	"	"		4	"
4	5	4	23.7	"	"	1			30.13	90	79	77	78	"	"		1	"
5	5	4	29.2	"	"	1			30.14	92	79	77	78	"	"		2	"
6	6	0	35.2	"	"	1			30.14	90	77	76	78	"	"		3	"
7	5	8	41.0	"	Calm	0			30.17	84	78	76	78	"	cu-m		3	"
8	5	9	46.9	"	"	0			30.17	84	77	74	78	"	cu		3	"
9	5	8	52.6	W by N	NE	1			30.17	80	77	75	77	"	a-cu		8	"
10	5	8	58.4	"	"	1			30.17	79	77	76	77	"	"		7	"
11	5	7	64.1	"	E by E	2			30.17	79	76	75	76	"	cu		6	"
Mid.	6	2	70.3	"	"	2			30.16	79	76	75	76	"	"		2	"

under the command of Commander Frank Courtis , U. S. Navy,

Friday, January 19th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Light airs from SW. by W. Barometer falling slowly first part, then steady. On course S.W. by W. ½ W. (P.S.C.) under steam alone. Average steam pressure 37 lbs., average revolutions 30. Ship rolling 8 times per minute; maximum roll 27° to starboard and 23° to port.

W. H. Hanson
Ensign, USN

4 to 8 A.M.

Clear and fine. Light airs from SW. by W. Moonlight first half. Barometer rising. On course SW. by W. ½ W. under steam alone. Ship rolling in long swell from Southward 6 times a minute. Maximum roll 30°. Av. steam 37. Av. revs. 32.8.

F. R. Baldwin Ensign, USN

8 A.M. to Meridian

Fair and pleasant. Light variable airs. Ship rolling 6 per minute & swell from S.E. with max of 25° each side. At 9.30 mustered and inspected at quarters, followed by divisional drills as follows:- 1st, battery; 2d, pistols and signals; 3rd, single sticks; 4th company; 5th small arms. Aired bedding. By order of the Commanding Officer released T. D. Chapman, and E. J. Colby, As. S.C. from confinement their terms having expired; placed J. W. Nelson and A. A. Moore, As. S.C., in confinement for 5 days on bread and water, for stowing away on berth deck during watch on deck; and placed L. Placet, A.S.C., in double irons for 5 days, for cursing and using provoking words to master-at-arms. Cleaned and disinfected bilges. Tested magazine drafts and flushed cocks and found them in good condition. At 10.00 changed course to W.S.W. ½ W. (P.S.C.) Under steam. Av. steam 32. Av. revs. 34.

Ralph Earle,
Ensign, USN.

Meridian to 4 P.M.

Fair and warm. Calm first half. Light airs from East remainder. Exercised apprentices who were unsatisfactory as follows: 1st division at signals, 3rd division at ordnance, 3rd division at seamanship. Steaming on course W.S.W. ½ W. (P.S.C.). Steam 36. Revs. 33.

E. McFalls
Lieut, USN.

4 to 6 P.M.

Clear and pleasant. Light East by airs. Barometer steady. At 5.00 went to fire quarters, all divisions reporting ready in 3 minutes, and secured at 5.07, all divisions reporting secured in 3 minutes. Course W.S.W. ½ W. (P.S.C.) Steaming. Steam 35. Revs. 34.

[illegible]
Ensign, USN.

6 to 8 P.M.

Clear and pleasant. Calm. Barometer rising first hour, then steady. Course W.S.W. ½ W. (P.S.C.) under steam alone. Average steam pressure 36 lbs, average revolutions 34.6.

W. H. Hanson
Ensign USN.

8 P.M. to Midnight

Fair and pleasant. Clearing last half and moonlight. On course W.S.W. ½ W. until 8.00 when changed course to W. by N. ½ N. reading 46.9. Light airs to light breezes from N.E. and E.N.E. Furled fore and main topmast staysails, and upped sail from 8.00 to 10.00. Av. steam 37. Av. revs 34.2.

F. R. Baldwin Ensign, USN.

Examined and found to be correct.

C. F. Leiper,
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts B.W.I.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each Unit.	State of the Sea.
A. M.																		
1	6	0	763	W by N.	N. E.	2			30 16	79	76	75	76	fc	a.cu		2	8
2	5	6	819	"	"	2			30 14	79	76	75	76	"	"		3	"
3	5	6	87.4	"	"	2			30 13	79	75	74	76	"	"		3	"
4	5	7	93.1	"	"	2			30 13	80	75	74	76	"	"		5	"
5	5	0	98.1	"	"	1			30 13	82	75	74	76	"	"		5	"
6	5	5	03.6	"	"	1			30 14	82	76	74	76	"	"		7	"
7	5	8	09.4	"	"	2			30 16	82	76	74	76	"	"		7	"
8	6	0	15.4	"	"	3			30 19	80	75	74	76	"	"		7	"
9	5	3	20.7	"	E. N. E.	3			30 20	80	76	74	76	"	a.cu		8	"
10	4	3	25.0	"	"	3-4			30 21	80	77	75	76	"	"		8	"
11	4	3	29.3	"	East	3			30 21	82	77	76	76	"	"		9	"
Noon.	3	6	32.8	"	E S E	2			30 20	84	78	76	76	"	"		9	"

Position at 8 A. M. { Latitude by DR. 18° 34' 47" N. Mag. Temp. Obs.
Longitude by Obs. 43° 59' 00" W. For. Obs. 78- 77-76

Position at noon: { Latitude by observation 18° 31' 33" N.
Longitude by observation 44° 18' 36" W.
Latitude by D. R. 18° 28' 30" N.
Longitude by D. R. 44° 32' 00" W

Course made good since preceding noon: S 75° W.

Distance made good since preceding noon: 129 miles.

Distance by Log since preceding noon: 130.4 miles.

Current per hour: 0.2 miles, set N. E. true.

Position at 8 P. M. { Latitude by DR 18° 28' 33" N
Longitude by DR 44° 54' 48" W.

Variation of compass:
Error of compass observed at } No observations.
Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, 9 tons, 1440 lbs.

Coal remaining on hand at noon, 92 " 1046 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, each Unit.	State of the Sea.
P. M.																		
1	3	6	36.4	W by N.	E. N. E.	3			30 20	83	78	75	76	b.c.	Cu.n.		9	sl
2	4	6	41.0	"	East.	3			30 17	82	76	74	76	"	"		9	"
3	4	5	45.5	"	E by S	3			30 17	81	76	73	76	ocd.	"		10	"
4	4	3	49.8	"	"	3			30 17	80	75	73	76	ocr.	N.		10	"
5	4	3	54.1	"	"	3			30 18	80	75	74	76	"	"		10	"
6	4	3	58.3	"	"	3			30 18	77	75	74	76	ocp.	"		10	sl
7	4	5	63.8	"	"	3			30 20	78	75	74	76	ocpl.	"		10	"
8	4	9	67.7	"	East by N.	4			30 23	78	75	73	76	"	"		10	"
9	5	0	72.7	W. 3/4 N.	"	4			30 23	78	75	74	76	bcpl	Cu.n.		7	m.
10	5	0	77.7	"	East.	4			30 23	78	75	74	76	"	"		7	"
11	4	6	82.3	"	"	4			30 22	78	75	74	76	bc	"		7	"
Mid.	4	5	86.7	"	"	4			30 21	78	75	73	75	"	"		6	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, January 20th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and very pleasant. Light N.E. by breezes. Bright moonlight. Ship rolling 6 per minute, 15° each side. Swell from N.E'd. As course W. by N. (P.S.C.) under steam alone. Av. steam 33. Av. revs. 33.

Ralph Earle,
Ensign, U.S.N.

4. to 8. A.M.

Cloudy and pleasant. Light airs to gentle breeze from N.E. Steaming on course W. by N. (P.S.C.). At 6 ov. set foresail, jib, main topsail, staysail and main trysail. Steam 32. Revs. 32. Ship rolling at times 6 times per minute to N.E. swell, 17° to each side being the maximum rolls.

C. M. Fahs
Lieut, U.S.N.

8. A.M. to Meridian.

Cloudy and pleasant. Moderate to light breeze from E. N.E. to E.S.E. Barometer steady. At 8:30 called all hands make sail. Set all sail save spanker and mainsail. Uncoupled screw and allowed fires to die out in one boiler and continued distilling with the other. At 9:30 took in trysail and at 10 took in main topmast staysail. At 11:15 took in fore topmast staysail and flying jib. Course W. by N. (P.S.C.). Ship rolling easily to swell on stbd. beam. Max. roll 2° to stbd and 15° to port, about 5 times in [illegible], ev. clocks back 5 minutes.

W. H. Allen
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant first part, then cloudy and rainy. Gentle breeze from E.N.E. East and E. by S. Barometer falling first part, then steady. Ship rolling 4½ times per minute to swell on starboard quarter; maximum roll, 14° each way. At 11:00 set main topmast staysail, main trysail, and flying jib and took them in again about 1:30. Took in royals about 2:00. On course W. by N. (P.S.C.). All squared sail (except mainsail) and jib set at end of watch.

W. H. Allen
Ensign, U.S.N.

4 to 6 P.M.

Overcast and rainy. Gentle breeze from E. by S. Barometer steady. On course W. by N. Under jib, foresail, topsails and topgallantsails. Distilling. Ship rolling in following swell about 15° each side, 4 times a minute.

W. H. Allen Ensign, U.S.N.

6 to 8 P.M.

Overcast and cloudy with light rain. Lightning to S'd. Gentle to moderate E. by S. to E. by N. by breezes. Barometer rising. Ship rolling 5⅓ per minute, 20° port and 17° stbd., to following swell. At 7:50 stopped distilling and allowed fires to die out. Under topsails, topgallantsails, foresail and jib, on course W. by N. (P.S.C.) Log 6.7 at end of watch.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy with light passing showers first part, clearing latter part. Moderate breeze from E. by N. to East. Ship rolling 6 rolls per minute to following swell 22° port and 19° to stbd. being the maximum rolls. At 8:00 changed course from W. by N. (P.S.C.) to W. ¾ N. (P.S.C.). Under topgallantsails, topsails, foresail and jib.

C. M. Fahs
Lieut, U.S.N.

Examined and found to be correct.

P. F. Leiper
Asst. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, as at noon.	State of the Sea.
A. M.																		
1	4	9	91.6	W¾N	East	4			30.20	78	75	73	75	bc	Cu-N		8	Sm.
2	4	3	95.8	"	"	4			30.20	78	75	73	76	"	"		9	"
3	4	7	00.5	"	"	4			30.19	78	75	73	76	"	Cu		9	"
4	4	4	04.9	"	"	4			30.18	79	75	73	76	"	"		8	"
5	4	5	09.4	"	"	4			30.18	80	75	73	76	bcl	"		8	"
6	4	3	13.7	"	"	4			30.18	80	75	73	76	bc	"		7	"
7	4	8	18.5	"	"	4			30.19	80	76	73	76	"	"		7	"
8	4	9	23.4	"	"	4			30.21	80	76	74	76	"	"		8	"
9	4	1	27.5	"	"	4			30.24	80	76	74	76	bcp	"		9	"
10	3	8	31.3	"	"	3			30.24	81	76	75	76	ocp	Sm		10	"
11	4	6	35.9	"	"	4			30.21	78	74	73	76	bcp	Cu-N		9	"
Noon.	4	6	40.5	"	"	4			30.19	81	77	75	77	bc	"		7	"

Position at 8 A. M. { Latitude by DR. 18° 22' 39" N. Mag. Comp
Longitude by Obs 46° 01' 45" W. Star Alt

Position at noon: { Latitude by observation 18° 19' 11" N. 77- 78-76
Longitude by observation 46° 20' 30" W.
Latitude by D. R. 18° 20' 57" N.
Longitude by D. R. 46° 11' 06" W

Course made good since preceding noon: S. 84° W

Distance made good since preceding noon: 116 miles.

Distance by Log since preceding noon: 107.7 miles.

Current per hour: 0.4 miles, set S. 75° W. true.

Position at 8 P. M. { Latitude by DR. 18° 16' 47" N.
Longitude by Obs 46° 51' 24" W.

Variation of compass: from chart 10° 00 Wly.

Error of compass observed at 5:05 15° 17' Wly

Deviation of compass on W¾N. 6° 17' Wly

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 91 " 1286 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Force.	CLOUDS. Amount, as at noon.	State of the Sea.
P. M.																		
1	3	7	44.2	W¾N	East	4			30.17	82	78	76	77	bc	Cu-N		7	Sm
2	3	7	47.9	"	"	4			30.17	82	78	75	77	"	Cu		6	"
3	3	4	51.3	"	"	3			30.17	82	78	76	77	"	Cu-N		7	L
4	3	0	54.3	"	"	3			30.16	79	76	75	77	ocr	"		10	"
5	2	7	57.0	"	"	3			30.14	76	76	76	77	bcl	"		9	"
6 Sun Set	3	0	59.1	"	N.N.E.	3			30.18	76	75	74	77	ocrl	Sm		10	Sm
7	3	4	62.5	"	"	3			30.18	76	75	74	77	bcpl	Cu-N		8	"
8	3	5	66.0	"	"	3			30.18	76	73	72	77	"	"		8	"
9 Cycle	2	0	67.5	"	North	2			30.20	75	73	72	77	bcl	"		6	"
10	2	5	70.0	W½N	"	2			30.20	75	73	72	77	"	"		5	"
11	1	8	71.8	"	N. by E	0-1			30.21	75	73	72	77	"	"		5	"
Mid. Cycle	1	8	73.7	W¾N	N.E by N.	0-1			30.21	75	73	72	77	"	"		7	"

4—25

nder the command of Commander Frank Courtis, U. S. Navy,

Sunday, January 21 st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally overcast and pleasant. Moderate breeze from East. Barometer steady. On course W. 3/4 N. (P.S.C.). Under same sail as in preceding watch. Ship rolling to swell on stbd. beam and quarter, about 6 times per minute. Maximum roll 25° to port and 23° to stbd.

Ensign, U.S.N.

4 to 8 A.M.

Cloudy and pleasant, lightning during first hour. Bright moonlight until 6:00 (daylight). Moderate breeze from East. Barometer rising slowly. About 6 to set royals. Ship rolling 6 times per minute; maximum roll 28° to port and 26° to starboard. Swell from N. E. Sighted a sailing vessel two points abaft port beam about 7 miles heading to northwestward. Course W. 3/4 N. (P.S.C.). At end of watch under all square sail (except mainsail) and jib.

W. H. Hanson
Ensign, USN

8 A.M. to Meridian.

Overcast with passing rain squalls till 11:00, after that clearing. Gentle to moderate breeze from East. On course W. 3/4 N under jib, forecail, topsails, topgallantsails and royals. Took in royals at 9:00 hrs and set them again at 11:00. Mr quarters on account of rain. C. V. Eddings (A.B.C.) and E. E. Geer (A.B.C.) were released from confinement, their terms having expired. The following punishments were awarded by the Captain: M. J. Goltz (A.B.C.) reduced to the 3d Conduct Class for being asleep in his hammock during his watch on deck. C. H. Mullen (A.B.C.) Confined for 5 days on bread and water for lying to the Officer of the Deck. N. G. Hines (A.B.C.) Confined for 3 days on bread and water for not turning out of his hammock promptly. Ship rolling in long swell from N. E., 4 times a minute. Maximum roll 28° each side.

Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant first three hours, overcast and rainy last hour. Moderate to gentle East'ly breeze. Ship rolling to N.E'd swell, 4 times per minute, max. 30° port and 25° stbd. The Commanding Officer renewed the acting appointment of A. Hendricksen, as Coxswain, to date from Jan. 21 st, 1900. Furled royals at 3:50. Under topsails, topgallantsails, jib, and foresail, on course W. 3/4 N. (P.S.C.), log 54.3 at end of watch.

Ralph S. Earle.
Ensign, USN

4 to 6 P.M.

Cloudy with frequent rain. Gentle breeze from East to N. N. E. Thunder and lightning at times. Ship rolling at times 6 times per minute to N. E. swell 25° to port and 22° to stbd. Being the maximum rolls. Under topgallantsails, topsails, foresail and jib. Course W. 3/4 N. (P.S.C.).

Lieut, USN.

6 to 8 P.M.

Cloudy with passing rain. Gentle breeze from N. N. E. Barometer steady. Occasional lightning. At 6:30 set fore topmast staysail. Course W. 3/4 N. (P.S.C.). Under topgallantsails, topsails, foresail, fore topmast staysail and jib. Ship rolling easily to swell on stbd beam about 5 times per minute. Max. roll 27° to port and 25° stbd.

Ensign, USN

8 P.M. to Midnight.

Cloudy and pleasant, with lightning on horizon. Moon rose about 10:00. Light breeze from South, light airs from N. by E. and N. E. by N., and calm. Barometer rising slowly. On course W. 3/4 N. (P.S.C.) hit by the wind on starboard tack between 9 and 11:00. Set main topsail and main topmast staysail about 10:30, and took them in again about 11:30, as they were not drawing well. Ship rolling 6 times per minute to swell on starboard beam; maximum roll 30° to port and 25° to starboarded. At end of watch under topsails, topgallantsails, foresail, fore topmast staysail and jib.

W. H. Hanson
Ensign, USN.

Examined and found to be correct.

F. F. Lafler
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hed.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, eighths.	State of the Sea.
	A. M.																		
By Chip.	1	1	4	73.9	W. 3/4 N.	N.N.E.	2			30 19	77	75	74	77	bc	a.m.		6	Sm
"	2	2	1	74.6	"	E.S.E.	2			30 18	78	75	74	77	"	"		7	"
"	3	2	0	77.5	"	East	3			30 17	78	76	75	77	brf	"		9	"
"	4	1	4	78.9	"	"	2			30 17	78	76	75	77	"	"		9	"
"	5	1	2	79.9	"	E. by N.	2			30 16	77	75	74	78	bc	"		8	"
"	6	3	1	82.0	"	"	2			30 16	77	75	74	78	"	"		8	"
	7	4	2	86.2	"	"	3			30 18	78	75	74	78	"	"		8	"
	8	4	5	90.7	"	"	4			30 21	77	75	74	78	brf	"		8	"
By Chip.	9	2	4	92.5	"	"	2			30 23	82	75	75	78	"	"		5	"
"	10	2	7	94.8	"	E.N.E.	2			30 24	84	77	76	78	bc	a.m.		4	"
	11	2	1	96.9	"	"	2			30 23	84	78	76	78	"	"		4	"
	Noon.	4	2	1.1	"	N.E. by E.	3			30 19	84	78	76	78	"	a.m.		5	"

Position at 8 A. M.: Latitude by dlr. 18° 13' 53" N. Mag. Temp. Alt.
Longitude by Obs. 47° 19' 10" W. Star Alt 78-77

Position at noon: Latitude by observation 18° 05' 00" N. 79 -
Longitude by observation 47° 32' 09" W.
Latitude by D. R. 18° 12' 23" N.
Longitude by D. R. 47° 25' 42" W.

Course made good since preceding noon: S 80° W.

Distance made good since preceding noon: 66 miles.

Distance by Log since preceding noon: 60.6 miles.

Current per hour: 0.3 miles, set S 47° W. true.

Position at 8 P. M.: Latitude by dlr. 18° 00' 42" N.
Longitude by Obs. 48° 35' 12" W.

Variation of compass: from Chart 9° 00' W. by

Error of compass observed at 4:40 1H° 21' W. by

Deviation of compass on W. 3/4 N. 8° 21' W. by

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 90 " 1720 "

P. M.																			
1	3	0	33	W. 3/4 N.	N.E. by E.	3	2°			30 17	81	79	76	78	bc	a.m.		6	M.
2	4	4	7.7	"	"	4	3°			30 15	81	79	76	78	"	"		5	"
3	5	0	12.7	"	"	4	3°			30 15	80	77	74	78	"	a.m.		4	"
4	6	1	18.8	"	E.	5	3°			30 15	81	77	74	78	"	"		4	"
5	6	7	24.5	"	"	5	3°			30 16	80	76	74	78	"	"		5	"
6	6	6	30.1	"	"	5	4°			30 18	79	75	74	78	"	"		7	"
7	6	7	35.8	"	"	5	5°			30 19	79	75	74	78	"	"		6	"
8	6	7	41.5	"	"	5	5°			30 21	79	75	74	78	"	"		5	"
9	5	8	47.3	"	"	5	4°			30 21	79	75	74	78	"	"		2	"
10	6	3	53.6	"	N.E. by E.	5	4°			30 20	78	75	74	78	"	"		2	"
11	6	6	60.1	"	"	5	4°			30 19	78	76	74	78	"	"		2	"
Mid.	6	4	66.5	"	"	5	3°			30 19	78	76	74	78	"	"		4	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 22nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Cloudy and fair. Light drizzling rain at 3:00. Light to gentle breezes variable from N. to E.S.E. On course W.¾N. under plain sail, fore topmast staysail, foresail, topsails, and topgallantsails. Moonlight. Ship rolling irregularly. Max. roll 20° to port, 9° to stbd.

R. R. Belknap Ensign, USN

4. to 8. A.M.

Generally fair and pleasant with passing rain last hour. Light to moderate E. by N. breeze. Barometer rising. Ship rolling to swell from N.E. by E., at times 4½ times per minute, with max. of 30° each side. At 6:30 set royals flying jib, and let clew of mainsail. At 7:30 hauled up mainsail, and took in fore topmast staysail, and flying jib. At end of watch under all square sail, save mainsail; and jib on course W.¾N. (P.S.C.) Log 90.7.

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Generally fair and pleasant, but slight passing rain squalls first hour. Light to gentle breeze from E. by N. to N.E. by E. All sail set save flying jib, fore and main topmast staysails, mainsail and spanker. Set mainsail at 11:05. Course W.¾N. (P.S.C.). At 9:30 inspected at quarters, held routine drills, and then called "Away all Boats Armed and Equipped for Cutting Out". All boats ready in 5½ minutes. Cleared in 10 minutes. Set clock back 5 minutes. Ship rolling 5 times a minute at times to N.E. swell, 18° to port and 16° to stbd.

C. W. Fales
Lieut. USN.

Meridian to 4. P.M.

Clear and pleasant. Gentle to moderate breeze from N.E. by E. Barometer falling slightly. At 8:15 set flying jib and at 8:15 set main topmast staysail. At one o'clock exercised afternoon watch at routine drill gave the unsatisfactory members of the 2d, 3d & 4th divisions instruction in signals, and ordnance respectively. Course W.¾N. under all sail save fore topmast staysail, main trysail and spanker. Ship rolling at times to swell from N.E. about 5 times per minute. Max. 18° to stbd. 13° to port.

Ensign USN.

4. to 6. P.M.

Clear and pleasant. Stiff breeze from N.E. Barometer rising slowly. At 5:15 mustered at quarters (no absentees) after which exercised at setting-up drill. Took in main topmast staysail about 5:50. Course W.¾N. (P.S.C.). At end of watch under all plain sail, except fore and main topmast staysails, main trysail and spanker. Maximum roll 20° to port and 10° to starboard.

W. H. Simon
Ensign, USN.

6. to 8 P.M.

Clear and fine. Fresh breeze from N.E. Barometer rising. On course W.¾N. under jib flying jib and all square sail. Ship rolling irregularly 25° to port, 15° to starboard.

R. R. Belknap Ensign, USN.

8. P.M. to Midnight.

Clear and pleasant. Fresh N.E. by E. to N.E. by E. breezes. Barometer fell slightly. Moon rose at 11:03. Ship rolling at times 25° port and 20° stbd. Hauled up weather clew mainsail at 8:30. At end of watch under jib, flying jib, and all square sail save weather clew mainsail, on course W.¾N. (P.S.C.) Log 66.5

Ralph Earle
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	6	9	73.4	W. 3/4 N.	N.E. by E.	5	3°		30.19	78	76	74	78	bc	Cu.		5	m
2	6	4	79.8	"	"	5	3°		30.18	78	76	74	78	"	"		5	"
3	6	7	86.5	"	"	5	3°		30.17	78	76	74	78	"	4		6	"
4	6	1	92.6	"	"	5	3°		30.16	78	76	74	78	"	"		5	"
5	5	9	98.5	"	"	5	3°		30.17	80	76	74	78	"	"		5	"
6	5	9	4.4	"	"	5	3°		30.19	78	76	74	78	"	"		5	"
7	5	8	10.2	"	E.N.E.	5	3°		30.18	78	76	74	78	"	"		5	"
8	5	5	15.9	"	"	5	3°		30.21	80	77	76	78	"	"		1	"
9	5	1	20.8	"	"	4	3°		30.23	81	77	73	78	"	"		1	"
10	5	0	25.8	"	"	4	3°		30.23	83	78	78	78	"	"		1	"
11	5	0	30.8	"	"	4	3°		30.22	83	78	78	78	"	"		1	"
Noon.	7	0	37.8	"	"	4	3°		30.19	82	78	74	78	"	"		4	"

Position at 8 A. M. { Latitude by DR. 17° 53' 18" N. Mag. Temp. Aft.
Longitude by Obs. 49° 39' 54" W. Fore 79-85

Position at noon: { Latitude by observation 17° 49' 44" N. 80 -
Longitude by observation 50° 07' 30" W.
Latitude by D. R. 17° 50' 48" N.
Longitude by D. R. 49° 54' 09" W.

Course made good since preceding noon: S. 84° W.

Distance made good since preceding noon: 150 miles.

Distance by Log since preceding noon: 136.7 miles.

Current per hour: 0.5 miles, set West true.

Position at 8 P. M. { Latitude by DR. 17° 44' 30" N.
Longitude by Obs. 51° 01' 08" W.

Variation of compass: from Chart 7° 35' W. by

Error of compass observed at 4:44 12° 40' W. by

Deviation of compass on W. 3/4 N. 5° 05' W. by

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 90 " 1126 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	5	5	43.6	W. 3/4 N.	E.N.E.	4			30.16	82	75	74	78	bc	Cu.		5	m
2	5	9	49.5	"	"	4			30.15	82	78	74	78	"	"		6	"
3	5	6	55.1	"	"	4			30.14	82	78	74	78	"	"		5	"
4	6	3	61.4	"	"	4			30.14	82	78	75	78	"	"		5	"
5	6	7	68.1	"	"	5			30.14	82	76	73	78	"	Cu.		5	"
6	6	7	74.8	"	"	5			30.13	78	76	73	78	"	"		7	"
7	6	7	81.5	"	"	5			30.15	78	76	73	78	"	"		8	"
8	6	0	87.5	"	"	5			30.16	77	74	73	78	bcp	"		7	"
9	6	4	93.9	"	N.E.	5			30.17	77	74	73	78	bc	"		7	"
10	6	5	100.4	"	E.N.E.	5			30.17	77	74	73	78	bcp	"		7	"
11	6	4	6.8	"	"	5			30.16	77	74	73	78	"	"		6	"
Mid.	6	1	13.9	"	"	5			30.15	77	75	73	77	"	"		6	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday January 23rd , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Bright moonlight. Stiff breeze from N.E by E. Under flying jib, jib, royals, t'gallantsails, t'sails, forecail, and lee clew of mainsail. Ship rolling occasionally 20° to port and 15° to stbd. Course W. ¾ N. (P.S.C.).

C. McFarlane
Lieut, USN.

4 to 8 A.M.

Clear and pleasant. Stiff breeze from N.E by E. to E.N.E. Barometer rising slowly. At 6:30 set main topmast staysail and weather clew of mainsail. At 6:15 hauled down main topmast staysail, and at 7:20 hauled up weather clew of mainsail. At end of watch on course W. ¾ N. (P.S.C.) under same sail as in preceding watch. Ship rolling at times to long swell on stbd quarter about 5 times per minute. Max. roll 8° to port, and 7° to stbd.

Ensign, USN.

8 A.M. to Meridian

Clear and pleasant. Moderate breeze from E.N.E. Barometer rising first hour, then falling slowly. At 9:30 mustered at quarters (100 absentees) after which the divisions were exercised as per routine. On course W. ¾ N. (P.S.C.). Ship rolling 6 times per minute to swell on starboard quarter - Maximum roll 25° to port and 23° to starboard. About 5:45 hauled out a little, the heads of main trysail and spanker, to dry. Set back deck clock 11 minutes about 11:00. The Acting Appointment of Robert Rashauge (Quartermaster 2nd Class) was renewed this date. Punishments awarded by the Commanding Officer:- A. C. Berry (A.S.C.) and P.O. Kaminsky (A.S.C.), out of uniform at quarters + 2 hours extra duty each; J. A. Bunell (A.S.C.), not cleaning bright work properly - 2 hours extra duty; P. W. Loffi (Ldg.) out of uniform at quarters and skulking around fore mast during evening prayers - 16 hours extra duty; F. Bromberger (Cox.) destroying government property - reduced to second conduct class. Under all square sail except weather clew of mainsail) and jib and flying jib.

W. F. Merwin
Ensign, USN.

Noon to 4 P.M.

Clear and fine. Moderate breeze from E.N.E. On course W. ¾ N. under jib, flying jib, and all square sail except weather clew of mainsail. At 3:00 hauled down flying jib. At 3:00 exercised watch below in knotting and splicing and unsatisfactory logs as follows:- 4th Division, Signals, 5th Div., Seamanship, 1st Div., Ordnance. Ship rolling occasionally 20° each side.

H. R. Baldwin Ensign USN.

4 to 6 P.M.

Fair and pleasant. Fresh E.N.E. breeze. Ship rolling at times 30° port and 25° stbd. At 5:15 went to quarters and had setting up drill for all divisions. Under sail as in previous watch, on course W. ¾ N. (P.S.C.) Log 74.5, at end of watch.

Ralph Earle,
Ensign, USN.

6 to 8 P.M.

Generally fair and pleasant, but with occasional passing rain. Stiff breeze from E.N.E. Under jib, and all square sail save weather clew of mainsail. Ship making an occasional roll of 15° to port and 10° to stbd. to N.E by E. swell. Course W. ¾ N. (P.S.C.).

C. McFarlane
Lieut, USN.

8 P.M. to Midnight

Fair to cloudy and pleasant, with occasional very light passing rain showers. Stiff breeze from N.E. to E.N.E. Barometer falling slowly. Under same sail as in preceding watch. Course W. ¾ N. (P.S.C.). Ship rolling at times to moderate swell on stbd quarter about 4 times per minute. Max. roll 24° to port and 19° to stbd.

Ensign, USN.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal Madeira, to St Kitts, B W I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 th.	State of the Sea.
A. M.																		
1	6	3	192	W. 3/4 N.	E by N.	5			30 13	77	75	73	77	bsp.	Cu N.		7	M
2	5	6	24.8	"	"	4			30 11	77	75	72	77	bc	"		6	"
3	5	8	30.6	"	East	4			30 11	76	75	72	77	bsp	"		9	"
4	5	6	36.2	"	E. S. E.	4			30 10	76	75	72	77	osp.	"		10	"
5	5	6	41.8	"	E by S.	4			30 09	76	75	72	77	"	"		10	"
6	6	3	48.1	"	E by N.	4-5			30 10	78	75	72	77	bc	"		8	"
7	6	0	54.1	"	East	4-5			30 12	79	75	72	77	"	"		7	"
8	6	3	60.4	"	"	4-5			30 13	79	75	72	77	"	"		7	"
9	5	8	66.2	"	E by N.	5			30 18	79	75	74	77	"	"		6	"
10	5	3	71.5	"	"	5			30 19	79	78	75	78	"	cu		5	"
11	5	1	76.6	"	East	5			30 19	84	80	76	78	"	"		4	"
Noon.	6	4	83.0	"	"	5			30 17	82	80	76	78	"	"		5	"

Position at 8 A. M.: Latitude by Alt. 17° 37' 18" N. Mag. Temp. Alt.
Longitude by Obs. 62° 18' 30" W. For. Alt.

Position at noon: Latitude by observation 17° 40' 37" N. 80- 77-78
Longitude by observation 62° 46' 30" W.
Latitude by D. R. 17° 35' 38" N.
Longitude by D. R. 62° 39' 30" W.

Course made good since preceding noon: S. 86° W.

Distance made good since preceding noon: 15.4 miles.

Distance by Log since preceding noon: 145.2 miles.

Current per hour: 0.4 miles, set N. 53° W. true.

Position at 8 P. M.: Latitude by Alt. 17° 37' 36" N.
Longitude by Obs. 63° 32' 00" W.

Variation of compass: from Chart 6° 00' W. by

Error of compass observed at 4:17 11° 13' W. by

Deviation of compass on W 3/4 N. 5° 13' W. by

Water expended during the preceding 24 hours, 650 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1150 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 90 " 626 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 th.	State of the Sea.
P. M.																		
1	5	1	81.1	W. 3/4 N.	East	5			30 16	83	80	76	75	bc	Cu		6	M
2	5	4	86.5	"	"	5			30 14	81	80	76	78	"	"		6	"
3	5	5	91.0	"	"	5			30 14	82	80	76	78	"	"		4	"
4	5	4	96.4	"	"	5			30 14	82	79	76	78	"	"		6	"
5	5	1	9.6	"	"	5			30 14	83	78	75	78	"	"		7	"
6	5	4	14.9	"	E by N.	5			30 16	83	78	76	78	"	Cu.		3	"
7	5	9	20.8	"	"	5			30 16	80	76	74	78	"	"		5	"
8	6	4	27.2	"	"	5			30 17	80	76	74	78	"	Cu		5	"
9	6	0	33.0	W. 1/2 N.	"	5			30 19	82	76	74	79	"	"		7	"
10	6	1	39.3	"	E by S.	5			30 20	80	76	74	78	bcd.	Cu N.		6	"
11	6	0	45.3	"	E by N.	5			30 20	79	76	74	78	bc	"		5	"
Mid.	5	2	50.5	"	East	5			30 18	79	76	74	78	"	Cu.		5	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 24th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Generally cloudy and rainy. Moon rose about 12.15. Stiff and moderate breeze from S. by W. and moderate breeze from East and S.S.E. Barometer falling slowly. Course W.3/4 N. (P.S.C.) Ship rolling 5 times per minute to the S. swell; maximum roll 20° each way. Under same sail as in preceding watch. About 3.10 hauled aft starboard main sheet and hauled up port clew of mainsail.

W. J. Mannion
Ensign, USN.

4. to 8. A.M.

Raining first hour. Overcast, then clearing. Moderate to stiff breeze from S. by E. to E. by N. On course W.3/4 N. under p&s and all square sail except weather clew of mainsail. At 5.00 took in mainsail. Ship making occasional rolls of 15° each side.

H. P. Elderkin Ensign, USN.

8. A.M. to Meridian.

Fair and pleasant. Fresh E. by N. to E. by S. breeze. Ship rolling at times per minute, 20° port and 15° stbd. At 9.30 mustered and inspected at quarters, followed by routine divisional drills. By order of the Commanding Officer released from confinement, W. T. Dines, L. Placet, A. A. Moore and J. Whelan, Ais. S.C., their terms having expired; placed R. Sample, A.S.C., in solitary confinement on bread and water for 5 days, for going below while on cathead lookout; and assigned punishments as follows:- J. A. Bunel and E. G. Berry, Ais. S.C., 2 hours extra duty for taking lock from gunner's mate's chest; J. Holmes, A.S.C., 2 hours in relieving lookout, 4 hours extra duty; A. Rothenbalk, A.S.C., 2 hours in relieving lookout, 2 hours extra duty. Under p&s and all square sails save mainsail, on course W.3/4 N. (P.S.C.) Log 58 at end of watch. At 8.05 set clock back 10 minutes.

Joseph Earle
Ensign, USN.

Meridian to 4. P.M.

Fair and pleasant. Stiff breeze from East. Ship rolling at times 4½ times per minute, to a following swell; maximum roll 30° to port and 25° to starboard. Under p&s and square sail save mainsail. Unbent mainsail and stowed it below. Threw overboard a barrel of 200 lbs. of salt beef which was condemned as unfit for issue by the Quarterly Board of Survey and recommended by it to be thrown overboard. Course W.3/4 N. (P.S.C.)

C. W. Fahs
Lieut, USN.

4. to 6. P.M.

Fair and pleasant. Stiff breeze from East. Barometer steady. Ship rolling to moderate following sea, 18° to port and 15° to Stbd. about 4 times per minute. At 5.00 exercised all hands at sail drill for half an hour. Hoisted smoke pipe. Course W.3/4 N. (P.S.C.). Same sail as in preceding watch.

Ensign, USN.

6. to 8. P.M.

Clear and pleasant. Stiff breeze from E. by N. Barometer rising slowly. Ship rolling 6 times per minute to following sea; maximum roll 20° each side. Course W.3/4 N. (P.S.C.) under same sail as during preceding watch.

W. J. Mannion
Ensign, USN.

8. P.M. to Midnight

Clear and pleasant. Light drizzling rain falling at 9.00. Stiff breeze from E. by N. to E. by S. Barometer steady. On course W.3/4 N. till 8.00 when changed to W. ½ N. p.l. 2 7/2. Under p&s and all square sail except mainsail. Ship rolling occasionally. Maximum roll 25° each side.

H. P. Elderkin Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Lieut Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eastern'n.	State of the Sea.
A. M.																		
1	6	0	56.5	W. ½ N.	East	5			30.17	78	76	74	78	bc	Cu.		4	m.
2	6	0	62.5	"	"	5			30.15	79	75	74	78	"	"		6	"
3	6	3	68.8	"	"	5			30.15	79	76	74	78	"	"		7	"
4	6	1	74.9	"	"	5			30.12	79	75	74	78	"	"		6	"
5	5	5	80.4	"	"	5			30.11	79	75	74	78	"	Cu.m.		5	"
6	6	0	86.4	"	"	5			30.13	80	76	74	78	"	"		5	"
7	6	1	92.5	"	"	5			30.13	80	76	74	78	"	"		5	"
8	6	0	98.5	"	"	5			30.16	81	75	74	78	"	"		6	"
9	6	0	4.5	"	"	5			30.19	83	80	77	78	"	"		6	"
10	6	0	10.5	"	"	5			30.22	84	80	77	78	"	"		5	"
11	5	7	16.2	"	"	5			30.22	84	80	77	78	"	Cu.		4	"
Noon.	6	8	22.0	"	"	5			30.19	84	81	77	78	bcp.	Cu.		5	"

Position at 8 A. M.: Latitude by DR — 17° 30' 18" N. Mag. Temp. Air.
Longitude by Obs — 54° 53' 00" W. For. 78-77

Position at noon: Latitude by observation — 17° 36' 00" N. 79-
Longitude by observation — 55° 11' 48" W.
Latitude by D. R. — 17° 37' 30" N.
Longitude by D. R. — 56° 07' 26" W.

Course made good since preceding noon: S. 88° W.

Distance made good since preceding noon: 143 miles.

Distance by Log since preceding noon: 140. miles.

Current per hour: 0.4 miles, set N. 40° W. true.

Position at 8 P. M.: Latitude by DR — 17° 31' 36" N.
Longitude by Obs — 55° 54' 18" W.

Variation of compass: from chart — 4° 50' W. by.

Error of compass observed at 4:26 — 9° 04' W. by

Deviation of compass on W. ½ N. — 4° 14' W. by.

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 800 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 89 " 966 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eastern'n.	State of the Sea.
P. M.																		
1	4	5	22.5	W. ½ N.	E. by S.	5			30.18	84	81	78	78	bcp.	Cu.m.		5	m.
2	6	1	28.6	W. ¼ N.		6			30.16	83	81	78	78	bc	Cu.		6	"
3	6	6	34.2	"	E. S. E.	6			30.13	84	81	78	78	"	"		6	"
4	5	7	39.9	"	"	5			30.13	83	81	77	78	"	"		6	"
5	5	3	45.2	"	"	5			30.14	83	81	77	78	"	"		6	"
6	5	4	50.6	"	"	5			30.14	82	81	77	78	"	"		6	"
7	5	0	55.6	"	"	5			30.14	82	81	77	78	"	"		6	"
8	4	9	60.6	"	"	5			30.16	84	81	77	78	"	"		5	"
9	5	1	65.6	"	"	5			30.19	84	77	75	78	"	"		3	"
10	5	3	70.9	West.	East.	5			30.19	81	78	76	78	"	"		4	"
11	5	4	76.3	"	"	5			30.19	81	78	76	78	"	Cu.m.		3	"
Mid.	5	1	81.4	"	"	5			30.19	81	77	75	78	"	Cu.		2	"
	5	0	86.4	"	"	5			30.18	81	77	75	78	"	"		3	"

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, January 25th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Fresh East by breezes. Barometer falling. Moon rose at 1:03. Ship rolling 6 per minute 20° port, 15° stbd to following swell. Under yds and all square sails save mainsail, on course W. ½ N. (P.S.C.), log 74.9 at end of watch.

Robt S. Earle,
Ensign, USN

4 to 8 A.M.

Cloudy and pleasant. Stiff breeze from East. Ship rolling 5 times per minute to following swell 20° to port and 15° to stbd (long the maximum rolls). All square sails, save mainsail, and the yds set. Course W. ½ N. (P.S.C.). At 4:30 lighted fires under boiler "D".

C. M. Fahs
Lieut, USN.

8 A.M. to Meridian.

Fair and pleasant. Light passing rain squall last hour. Stiff breeze from East. Barometer fluctuating. At 8:35 hauled down yds and hoisted fore topmast staysail. At 9:30 went to fire quarters, all divisions reporting ready in 1¼ minutes. Secured at 9:36, all divisions reporting in 2 minutes. After fire quarters exercised divisions as per routine. At 10:33 sounded call to abandon ship, all boats reported ready in 1½ minutes. Secured at 10:48, all boats secured in 3½ minutes. The Captain assigned the following punishments: A. A. Moore (A.S.C.) defacing government property, 3 days confinement on bread and water. W. J. Haley (A.S.C.) Out of uniform at quarters, 2 hours extra duty. A. O. Jones (A.S.C.) Leaving hammock formation without notifying the Officer of the Deck, 4 hours extra duty. P. J. Clowry (A.S.C.) Spitting on deck, 2 hours extra duty. Ship rolling at times 15° each way about 4 times per minute. At 11:25 took in royals to a squall and set them again when it had passed over. Course W. ½ N. (P.S.C.). Under fore topmast staysail and all square sails save mainsail. At 8:20 commenced distilling. Set clock back 11 minutes.

Ensign, USN

Meridan to 4 P.M.

Clear and pleasant. Stiff breeze from E by S and E.S.E. Barometer falling. On course W. ½ N. (P.S.C.) until 12:15 when course was changed to W. ¼ N. (P.S.C.), p. l. reading 3.45. Took in royals about 12:58 before a light rain squall and set them afterwards about 1:10. At 1:00 exercised watch below in knotting and splicing and watch on deck in handling gear and sail, and unsatisfactory boys of 3rd, 4th, and 5th divisions in signals, seamanship and ordnance respectively. Sighted a sailing vessel on starboard beam about 3:50. Ship rolling 6 times per minute to following swell; maximum roll 20° to port and 18° to starboard. Under all square sail, except mainsail, and fore topmast staysail, on course W. ¼ N. (P.S.C.).

W. H. Mannon
Ensign USN.

4 to 6 P.M.

Clear and fine. Stiff breeze from E.S.E. On course W. ¼ N. under fore topmast staysail and all square sail except mainsail. At 5:00 exercised all hands at sail drill, bearing sail set before. Ship rolling in following swell 6 times a minute 10° each side.

P. P. Baldwin Ensign, USN

6 to 8 P.M.

Clear and pleasant. Stiff E.S.E. by E breeze. Barometer rising. Ship rolling 6 per minute, 15° each side, to following sea. Under sail and in starboard watch, on course W. ¼ N. (P.S.C.) Log 85.6.

Robt S. Earle,
Ensign, USN.

8 P.M. to Midnight

Fair and pleasant. Stiff breeze from East. Under fore topmast staysail and square sails. At 8:00 changed course from W. ¼ N. (P.S.C.) to West (P.S.C.). Ship steady, but making an occasional roll of 18° to each side to a following swell.

C. M. Fahs
Lieut. USN.

Examined and found to be correct.

F. F. Lenpen.
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sometwh.	State of the Sea.
A. M.																		
1	5	0	91.4	West	East.	5			30 17	81	77	75	78	bc	Cu. n.		5	M.
2	5	6	97.0	"	S.E.	4-6			30 15	80	76	75	78	ocr	"		10	"
3	4	4	101.4	"	Variable.	2			30 14	79	76	75	78	bcp.	"		9	"
4	3	1	105	"	E.N.E.	3			30 13	79	75	75	78	bc.	"		9	"
5	5	6	10.1	"	S.S.E.	3-5			30 12	77	76	75	78	ocpf.	"		10	"
6	4	4	14.5	"	S.&by.S.	3-5			30 13	78	75	75	78	"	"		10	"
7	4	0	18.5	"	E.S.E.	1-5			30 14	80	75	75	78	bcp.	"		9	"
8	5	7	24.2	"	East.	5			30 17	80	76	75	78	bc	"		6	"
9	5	2	29.4	"	"	5			30 20	82	78	76	78.	bcp.	"		7	"
10	5	4	34.8	"	"	5			30 19	87	77	75	78	bcpg.	"		6	"
11	4	9	39.7	"	"	5			30 20	87	78	75	78	"	"		4	"
Noon.	5	8	45.5	"	"	5			30 19	86	83	78	79	bc.	Cu.		5	"

Position at 8 A. M.: Latitude by DR. 17° 24' 24" N. Mag. Temp.
Longitude by Obs. 56° 52' 00" W. Sea 81 — Air 79-78

Position at noon: Latitude by observation 17° 20' 24" N.
Longitude by observation 57° 15' 00" W.
Latitude by D. R. 17° 21' 48" N.
Longitude by D. R. 57° 19' 12" W.

Course made good since preceding noon: S. 83° W.

Distance made good since preceding noon: 116 miles.

Distance by Log since preceding noon: 122.5 miles.

Current per hour: 02 miles, set E.S.E. true.

Position at 8 P. M.: Latitude by DR. 17° 16' 12" N.
Longitude by Obs. 58° 50' 33" W.

Variation of compass: from chart 3° 40' W'ly.

Error of compass observed at 4: 36 8° 27' W'ly.

Deviation of compass on West 4° 47' W'ly.

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 18.00 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 87 " 1246 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sometwh.	State of the Sea.
P. M.																		
1	4	5	50.0	West	East.	4			30 15	86	82	78	79	bc	Cu.		6	M.
2	4	0	54.0	"	"	4			30 13	86	83	78	79	ocp	Cu. n.		10	"
3	4	4	58.4	"	"	4			30 13	85	82	78	79	bcp	"		9	"
4	4	3	62.7	"	"	4			30 12	86	82	78	79	"	"		8	"
5	4	2	66.9	"	"	4			30 12	86	82	78	79	bc.	"		6	"
6	3	5	70.7	"	"	4			30 12	82	78	77	79	"	"		7	"
7	4	6	76.3	"	E.S.E.	4			30 14	81	78	77	79	"	"		7	"
8	4	6	79.8	"	E.N.E.	4			30 16	81	77	76	79	bcp	"		7	"
9	5	0	84.8	"	East.	4			30 17	80	77	76	79	"	"		8	"
10	5	1	89.9	"	E. by N.	4			30 17	80	76	75	79	"	"		3	"
11	5	6	95.4	"	"	5			30 17	80	76	75	79	bc.	Cu.		5	"
Mid.	5	8	12	"	East.	5			30 14	80	75	74	79	bcp	Cu. n.		8	"

under the command of Commander Frank Courtis , U. S. Navy,

Friday, January 26th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to overcast, raining 2d and 3d hours. Stiff to light breeze from S.S.E. to S.W.B. Barometer falling slowly. At 1:50 took in the royals. And set them again at 3:40. Moon rose at about 3:10. Ship rolling easily at times to following swell about 4 times per minute. Maximum roll 20° each way. Distilling.

W. J. Marion
Ensign, USN

4. to 8. A.M.

Generally overcast and squally with light rain. Light airs to stiff breeze from S.S.E. to E.S.E., hauling to East, steady stiff breeze. Barometer falling slowly first hour, then rising slowly. On course West (P.S.C.). Took in royals before squalls and set them after squalls. Had passed. Under all square sail, save mainsail, and fore topmast staysail. Ship rolling at times to swell from aft, 5½ times per minute; maximum roll 30° each way. Distilling.

W. J. Marion
Ensign, USN.

8. A.M. to Meridian.

Clear and pleasant. Rain squalls passing over first half. Stiff breeze from East. On course West under fore topmast staysail and all square sail except mainsail. Took in royals at 9:00 and set them at 11:00. At 9:40 mustered divisions at quarters and exercised as follows: 1st, pistols and signals, 2nd, single sticks, 3rd, small arms, 4th, instruction in log line and patent log, 5th battery. The Captain awarded punishments as follows:- C.M. Goss (P.S.C.) 5 days confinement on bread and water for shirking. A. Brittain (P.S.C.) 5 days confinement on bread and water for committing a nuisance on gun deck. C.A. Eddings (P.S.C.) 2 hours extra duty for being out of uniform. J. P. Geary (P.S.C.) 8 hours extra duty for continued disorder at drill. C.M. Mullen (P.S.C.) was released from confinement his term having expired. Set clock back 11 minutes at 11:15. Ship rolling irregularly to swell on port quarter. Maximum roll 35° each side. Cleaned and disinfected bilges. Tested magazine flood and drain cocks and found them in good condition.

F. F. Baldwin Ensign, USN

Meridian to 4 P.M.

Cloudy to fair with passing rain showers. Moderate East by breeze. Max. obs. roll 15° port, 10° stbd., 5½ times per minute, following sea. Held routine drills, and unsatisfactory apprentices of 1st Division were instructed in seamanship, those of the 2d in ordnance. Under sail as in previous watch on course West (P.S.C.) log 62.7 at end of watch.

Robert Earle
Ensign, USN

4 to 6 P.M.

Cloudy and pleasant. Moderate breeze from East. Under fore topmast staysail and all square sail. Course West (P.S.C.). At 5:00 exercised at shortening sail, reefing and making sail. Ship nearly steady. O.B. Vassie (O.M.2.C.) reported the expiration of his enlistment.

C. McCabe
Lieut, USN

6. to 8. P.M.

Fair and pleasant. Moderate breeze from E.S.E. to S.W.B. Barometer rising. Course West (P.S.C.) Under fore topmast staysail and all square sail save mainsail. Ship nearly steady. Distilling.

W. J. Marion
Ensign, USN

8. P.M. to Midnight.

Fair and pleasant, with light passing showers. Moderate and stiff breezes from East and E. by N. Barometer nearly steady, falling last hour. Course West (P.S.C.). Ship generally steady but rolling at intervals, 5 times per minute; maximum roll 15° to starboard and 14° to port. Under same sail as during preceding watch. Distilling.

W. J. Marion
Ensign, USN.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1	5	8	6.4	West	E.N.E.	5			30 13	80	78	76	79	bcp	Cu.		8	M.
2	5	3	11.7	"	E by N.	5			30 11	80	78	76	79	"	"		9	"
3	H	8	16.5	"	East	H			30 11	80	78	76	79	"	"		8	"
4	H	7	21.2	"	E. by N.	H			30 11	81	78	76	79	bc	"		8	"
5	H	H	25.6	"	"	H			30 11	81	78	76	79	"	"		9	"
6	8	8	30.4	"	East	H			30 11	81	78	76	79	"	Cu.		7	"
7	H	9	35.3	"	"	H			30 13	82	78	76	79	"	"		7	"
8	H	7	40.0	"	"	H			30 15	82	78	76	79	"	"		6	"
9	H	5	HH.5	"	"	H			30 18	84	78	76	79	"	"		5	"
10	H	5	49.0	"	"	H			30 21	89	80	77	79	"	"		3	"
11	H	1	53.1	"	"	H			30 21	88	82	79	79	"	"		3	"
Noon.	H	3	57.4	"	E.N.E.	3			30 19	86	82	78	79	"	"		H	"

Position at 8 A. M.: Latitude by DR 17° 09' 00" N. Mag. Temp. Dep. Alt.
Longitude by Obs. 58° 55' 30" W. Star 81- 88-78

Position at noon: Latitude by observation 17° 14' 53" N.
Longitude by observation 59° 13' 24" W.
Latitude by D. R. 17° 06' 42" N.
Longitude by D. R. 59° 11' 48" W.

Course made good since preceding noon: S. 87° W.

Distance made good since preceding noon: 113.5 miles.

Distance by Log since preceding noon: 111.9 miles.

Current per hour: 0.3 miles, set N. x W. true.

Position at 8 P. M.: Latitude by Obs 17° 10' 24" N.
Longitude by Obs. 59° 13' 30" W.

Variation of compass: from chart 2° 35' W. by

Error of compass observed at H: 32 6° 50' W. by

Deviation of compass on W by S 4° 15' W. by

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1350 "

Water remaining on hand fit for use at noon, 2550 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 85 " 1586 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
P. M.			58.6	West. W. by S. W. by S.														
1	H	0	61.4	"	E by N.	3			30 15	86	84	82	79	bc	Cu.		H	S
2	H	6	66.9	"	"	H			30 14	85	84	82	79	"	"		H	"
3	H	5	70.4	"	"	H			30 14	84	80	78	79	"	"		5	"
4	H	1	74.5	"	"	H			30 12	84	80	78	79	"	"		H	"
5	3	0	77.5	"	"	3			30 12	84	80	78	79	"	"		6	"
6	3	H	80.9	"	E.N.E.	3			30 14	84	80	78	79	"	"		H	"
7	H	H	85.3	"	"	3			30 13	82	79	77	79	"	"		H	"
8	3	H	88.7	"	East	3			30 14	82	78	76	79	"	"		1	"
9	3	8	92.5	"	"	3			30 16	81	76	76	79	"	"		2	"
10	H	0	96.5	"	"	H			30 16	81	77	76	79	"	"		H	"
11	H	9	1.H	"	"	H			30 16	80	77	76	79	ocp	M.		10	"
Mid.	5	0	6.H	"	"	H-5			30 15	79	76	76	79	bcp	"		8	"

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, January 27th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Overcast with passing squalls of drizzling rain. Stiff breeze from E by N. to East. On course West under fore topmast staysail and all square sail except mainsail.

J. C. Baldwin Ensign, USN

4. to 8 AM.

Cloudy to fair. Moderate E by N. to East breezes. Mast rolls 15° port and 16° stbd, 5 per minute. Under sail as in previous watch, on course West (P.S.C) Log 40.0 at end of watch.

Reynold Carey
Ensign, USN.

8 AM. to Meridian.

Generally fair and pleasant. Moderate to gentle breeze from East to E by N. Under fore topmast staysail and all square sails save the mainsail. Course West (P.S.C). General cleaning going on. Ship rolling slightly at times to following swell. The Commander awarded the following punishments: Wm Zachary (1st Cl) smoking out of hours, 30 hours extra duty; J Macfeat (App. 3 C) leaving his station while on orderly watch, 2 days extra duty. Set the clock back 10 minutes.

C. M. Fahs
Lieut, USN

Meridian to 4 PM.

Fair and pleasant. Gentle to moderate breeze from E by N. Barometer falling slowly. Under same sail as in preceding watch. At 15.30 changed course to W. ½ S. (P.S.C) and at 16.00 changed course to W. ½ S. (P.S.C) Rolling slightly at times to following sea. Distilling.

Ensign, USN

4. to 6. PM.

Clear and pleasant. Gentle breezes from E by N. and E. by S. Barometer rising slowly. On course W. ½ S. (P.S.C). Ship generally steady, but rolling 6 times per minute to following swell; maximum roll 16° each way. Under same sail as in preceding watch. Distilling.

W. H. Mamon
Ensign, USN.

6. to 8. PM.

Clear and fine. Gentle breeze from E.S.E. and Broken. On course W. ½ S. under fore topmast staysail and all square sail except mainsail. At 6.30 stopped distilling, ships tanks being full, and banked fires in Boilers 1 & 2.

J. P. Baldwin Ensign, USN.

8 PM. to Midnight.

Fair to overcast with passing rain showers last half. Gentle to stiff East by E breezes. Mast. roll 15° each side, 6 per minute. Under sail as in previous watch, on course W. ½ S. (P.S.C) Log 61.0 at end of watch.

Reynold Carey
Ensign, USN.

Examined and found to be correct.

F. F. Lieper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each in tenths.	State of the Sea.
A. M.																		
1	4	7	11.1	W. ½ S.	East	4			30 14	78	76	75	79	bcfg.	Cu. m.		8	m.
2	3	4	14.5	"	"	3			30 13	78	76	75	79	"	"		8	"
3	3	9	18.4	"	"	3			30 13	78	76	75	79	bc	"		4	"
4	4	5	22.9	"	"	4			30 12	81	77	76	79	bcfg.	"		7	"
5	5	2	28.1	"	"	4			30 12	82	77	76	79	bc	Cu.		3	S
6	5	0	33.1	"	"	4			30 13	82	77	76	79	"	4		2	"
7	5	1	38.2	"	"	4			30 15	81	78	76	79	"	"		1	"
8	5	0	43.2	"	"	5			30 17	83	79	76	79	"	"		1	"
9	4	9	48.1	"	"	5			30 19	84	79	76	79	"	"		3	"
10	4	4	52.5	"	"	4			30 23	86	82	79	79	"	"		3	"
11	4	3	56.7	"	"	4			30 23	87	84	80	79	bcfg.	Cu.		5	m.
Noon.	4	8	61.5	"	"	4			30 22	86	84	82	79	"	"		8	"

Position at 8 A. M.: Latitude by Alt. 17° 00' 24" N. Mag. Temp.
Longitude by Obs. 60° 34' 15" W. For. Aft.

Position at noon: Latitude by observation 16° 58' 41" N. 80- 80-79
Longitude by observation 60° 54' 03" W.
Latitude by D. R. 16° 55' 05" N.
Longitude by D. R. 61° 00' 24" W.

Course made good since preceding noon: W. ¾ S.
Distance made good since preceding noon: 96 miles.
Distance by Log since preceding noon: 104.1 miles.
Current per hour: 03 miles, set N. E. ½ E. true.

Position at 8 P. M.: Latitude by Alt. 16° 54' 00" N.
Longitude by Obs. 61° 37' 52" W.
Variation of compass: from chart 1° 00' W. by
Error of compass observed at 4:38 5° 56' W. by
Deviation of compass on W. ½ N. 4° 56' W. by
Water expended during the preceding 24 hours, 500 gallons.
Water distilled during the preceding 24 hours, 660 "
Water remaining on hand fit for use at noon, 2700 "
Coal consumed during the preceding 24 hours, tons, 1900 lbs.
Coal remaining on hand at noon, 84 " 1866 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each in tenths.	State of the Sea.
P. M.																		
1	4	6	66.1	W. ½ S.	East	4			30 19	83	84	82	79	bcfg.	Cu. m.		5	S.
2	4	2	70.3	"	"	4			30 18	83	84	83	79	"	"		8	"
3	5	4	75.7	"	"	3			30 18	83	84	82	79	bc	"		6	"
4	6	1	81.8	"	"	3			30 16	90	82	78	79	"	"		3	"
5	4	4	86.2	W. ½ N.	"	3			30 17	90	84	80	79	"	"		4	"
6	6	0	92.2	"	S. by E.	4			30 19	85	84	80	79	bcfg.	"		4	"
7	5	8	97.6	"	East	3			30 18	86	84	80	79	"	"		3	m.
8	5	9	5.5	"	"	3			30 19	84	81	79	79	bc	more		0	"
9	6	2	11.7	"	"	4			30 18	84	78	76	79	bc	Cu.		1	"
10	6	4	18.1	"	"	5			30 19	84	78	76	79	"	"		4	"
11	5	6	24.1	W. N. W.	"	4			30 19	82	78	76	79	bcfg.	Cu. m.		5	S.
Mid.	5	9	30.0	"	"	4			30 17	82	78	76	79	bc	"		1	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, January 28th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to cloudy. Slight passing showers first part. Moderate to gentle breeze from East. Under fore topmast staysail and all square sail except Spanker. Course W. ½ S. (P.S.C.). Ship rolling at times 10° port 8° ½ stbd. 6 times per minute.

Lieut, USN.

4 to 8 A.M.

Clear beautiful weather, warm. Moderate to stiff breeze from East. Barometer rising slowly. Moon rose at 4:05. Course W. ½ S. (P.S.C.). Under same sail as in preceding watch. Ship rolling equally & following seas about 6 times per minute. Max roll 10° each way.

Ensign, USN.

8 A.M. to Meridian.

Generally clear and pleasant, with light passing showers during second half. Stiff and moderate breeze from East. Barometer rising slowly first part, then falling slowly. At 9.30 mustered at quarters (no absentees) after which the Commanding Officer inspected the ship and crew at quarters. Called Divine Service. Ship generally steady, but rolling 6 times per minute at intervals; maximum roll 19° to starboard and 17° to port. About 10.30 sighted a steamer broad off the port bow. At 9.00, by order of the Commanding Officer, Ch. A. Moore (A.S.C.) was released from confinement and restored to duty, his term having elapsed. At 11:10 started fires under boiler "C" for steaming purposes. At 11:30 set back deck clock 8 minutes. As course W. ½ S. (P.S.C.) under same sail as during preceding watch. Punishments awarded by the Commanding Officer:- J. W. Nelson (A.S.C.), below while watch was on deck and not going aloft to furl main royal - 3 days confinement on bread and water; G. H. Burnes (A.S.C.) continually dirty and ragged at quarters - quarantined in next port; J. D. Potter (A.S.C.) ill-fitting and dirty underclothes at Sunday inspection - quarantined in next port.

W. H. Manion
Ensign, USN

Meridian to 4 P.M.

Overcast with passing rain squalls first hour, then clearing. Clear and pleasant last half. Gentle to moderate breeze from East. Barometer falling. As course W. ½ S. Under fore topmast staysail, and all square sail except main-sail. At 1:00 took in royals. Sent buoy chains. At 2.30 called all hands and furled sail. At 3:05 started ahead under steam. Boilers Coupled. At 2.00 sighted a sail on port bow. At 3:15 sighted land on stbd. bow bearing N. 75° W. and at 3:30 land on port bow. Av. steam 45. Av. revs. 36.7.

J. R. Baldwin Ensign, USN.

4 to 6 P.M.

Fair, with rain shower last hour. Gentle to moderate East by and S. & by E. Breeze. Barometer rising. Max. rolls 13° each side, 6 per minute, sea on stbd. quarter. Islands of Antigua, Guadaloupe and Montserrat in sight. At 4:13, log 93.4 changed course to W. ½ N. (P.S.C.) Under steam, on course W. ½ N. (P.S.C.) Log 93.8 at end of watch. Av. steam 45. Av. revs. 36.7.

Frank Evans
Ensign, USN.

6 to 8 P.M.

Fair and pleasant. Gentle breeze from East. Under steam alone on course W. ½ N. (P.S.C.). Ship rolling slightly at times to wind on stbd. quarter. Av. steam 35. Av. revs. 3H 2.

C. M. Fahs
Lieut. USN

8 P.M. to Midnight.

Generally fair and pleasant, slight rain squall third hour. Moderate to stiff breeze from East. Barometer steady. At 10:35 changed course to W. N. W. (P.S.C.), par. log 21.5. Island of Antigua in sight on stbd. hand all watch, and Montserrat last hour. Ship nearly steady. Steaming. Steam 45. Rev. 36.6.

Ensign, USN.

Examined and found to be correct.

F. F. Leiper,
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Funchal, Madeira, to St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, cadet's.	State of the Sea.
A. M.																		
1	6	9	36.9	W.N.W.	East	H			30.16	82	78	76	79	bc.	Cu.m.		5	S.
2	5	H	41.7	"	E by N.	H			30.15	82	78	76	79	"	"		5	"
3	6	0	47.7	"	"	H			30.14	84	78	76	79	bcp.	"		4	"
4	H	3 5	49.0 53.5	Wly N.	"	H			30.14	84	78	76	79	bc.	"		H	"
5	5	1	58.6	"	"	3			30.13	85	78	76	79	"	"		4	"
6	5	8	64.H	"	"	3			30.13	84	78	76	79	"	"		7	"
7	8	3 5	69.7 70.3	W.N.W. 3/4 W.	"	H			30.15	84	78	76	79	bcp	"		6	"
8	8	7	75.3 76.5	North	"	H			30.17	84	80	76	79	bc.	"		5	"
9	H	7	81.8	Various	"	5			30.20	84	81	77	79	"	"		5	"
10	At	anchor		East	East	H			30.22	84	80	78	79	"	"		5	"
11				"	"	H-5			30.23	86	83	80	79	bcp	"		5	—
Noon.				E.S.E.	"	H-5			30.20	86	80	79	79	"	"		5	—

Position at 8 A. M. { Latitude by Standing into Basse Terre Harbor, St. Kitts ° ' " Mag Amp
Longitude by ° ' " For Aft

Position at noon: { Latitude by observation ° ' " 81 — 80-79
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 119.8 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 55-0 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 825-0 "

Coal consumed during the preceding 24 hours, 8 tons, 680 lbs.

Coal remaining on hand at noon, 76 " 1206 "

Hour.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, cadet's.	State of the Sea.
P. M.	At anchor												
1	E by S.	East	3	30.19	87	82	79		bcp.	Cu.m.		7	
2	"	"	3	30.18	87	82	78		bc	"		6	
3	SE by E.	"	3	30.17	86	82	78		"	"		6	
4	"	E.S.E.	3	30.16	86	82	78		"	"		6	
5	E.S.E.	"	3	30.16	84	80	75		"	Cu.		5	
6	"	"	3	30.17	84	79	75		"	Cu.-n.		6	
7	"	"	3	30.17	82	79	75		"	"		6	
8	"	"	3	30.18	82	79	75		"	"		6	
9	"	"	3	30.20	81	78	75		"	"		6	
10	East.	"	H	30.21	81	78	75		"	"		4	
11	"	"	H	30.21	81	78	75		"	"		4	
Mid.	"	"	3	30.22	81	78	75		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, January 29th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally clear and pleasant with light passing showers during third hour. Moderate breeze from East and E by N. Barometer falling slowly. Ship nearly steady. About 2:55 sighted Redondo Island about 2½ points on port bow; it was abeam at 3:15, when course was changed to W ¼ N. (P.S.C.) A.P. reading 4°0. About 3:14 sighted a steamer white light 3 points abaft the starboard beam. On course W.N.W. (P.S.C.) until 3:15 after which on course W ¾ N. (P.S.C.) under steam alone. Average steam pressure 50 lbs.; average revolutions 34.5.

W. J. Manion,
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Light rain squall passed over at 6:30. Gentle to moderate breeze from E by N. On course W by N. under steam. C & all Boilers. At 6:35 changed course to N.N.W. ¾ W. p.l. 67.7 and st. 71.4. Changed course to North p.l. 73.9. Set deck clock ahead 5 minutes. Av. steam 145. Av. revs. 34.3.

H. A. Baldwin, Ensign, U.S.N.

8 A.M. to Meridian.

Generally fair and pleasant with frequent light rain showers. Moderate to stiff E by N. & E. to East by S. breeze. Standing into anchorage at Basse Terre, St. Kitts, the Captain and Navigator on bridge until 9:40 when stopped, port anchor 5½ fms. water, 30 fms. of chain. At 9:35 hauled in patent log reading 84.2. Bearings of anchorage - St. George Church Tower N. 14° W. flagstaff on signal station S. 59° W. ships head E by S. all by standard compass. Sent officer to communicate with U.S. Consul and the Consul called officially on the Captain. On his departure he was saluted with 5 guns, U.S. flag at fore. By order of the Commanding Officer released R. Sample, O.S.C. from confinement his term having expired. Allowed fires under boiler "C" to die out and began distilling with boiler "D" at 10. At 11:30 veered to 45 fms. on port chain.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and pleasant. Slight passing showers first hour. Engaged in cleaning ship outside. Cleaning and painting 3d and 4th Cutters and scraping white woodwork of whale boat. At 2:30 the steamer "Stuart Castle" left port and stood to the westward.

C. McFahs,
Lieut. U.S.N.

4 to 8 P.M.

Fair and pleasant. Gentle E.S.E. breeze. At 5:00 went to quarters and served out clean hammocks.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Moderate to gentle breeze from E.S.E.

C. McFahs,
Lieut. U.S.N.

Examined and found to be correct.

F. F. Leeper
Lieut. Navigator.

4—111

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St Kitts, B W I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	At anchor			B S E.	B S E.	2-4			30 20	80	77	75		bcp	Cu.		6	
2				East.	East.	3			30 19	80	77	75		bc	"		4	
3				"	"	3			30 18	80	78	76		"	"		5	
4				"	"	3			30 18	83	78	76		"	"		5	
5				E. N. E.	"	3			30 18	83	79	76		"	"		4	
6				East.	"	3-4			30 19	83	79	76		bcp	"		8	
7				"	"	3-4			30 19	83	79	76		bc	"		7	
8				"	"	3			30 23	87	80	76		"	"		6	
9				"	"	3			30 25	86	83	77		"	"		5	
10				E by N.	E by N.	3-5			30 25	88	82	76		"	"		6	
11				East.	East.	3-5			30 24	84	81	76		"	"		5	
Noon.				"	"	3-5			30 23	87	82	77		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp. For Alt.
Longitude by ° ′ ″ 51- 80-79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 505 gallons.

Water distilled during the preceding 24 hours, 960 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 74 " 2066 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.	At anchor																	
1				East.	East.	3-4			30 21	87	82	77		bc	Cu.		6	
2				E. by S.	"	3			30 20	87	82	77		"	"		6	
3				"	"	3			30 18	84	80	76		"	"		5	
4				"	"	3			30 16	83	80	76		"	"		7	
5				East.	"	4			30 17	84	80	76		"	"		6	
6				"	"	4			30 17	83	79	77		"	"		7	
7				E by S	"	3			30 16	82	79	76		"	"		8	
8				East.	"	3			30 17	83	78	75		"	"		5	
9				"	"	3			30 18	83	80	75		"	"		5	
10				E by S	"	3-5			30 19	82	78	76		"	"		8	
11				"	"	3-5			30 20	82	76	70		bcpg.	"		7	
Mid.				"	"	2-4			30 20	82	76	70		bcpg	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, January 30th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Rain first hour. Light to stiff breze from E.S.E. to East. Barometer falling slowly. Distilling.

Clifton Sun
Ensign, USN

4 to 8 A.M.

Cloudy to fair with rain showers. Gentle to moderate East by breezes. Scrubbed hammocks. At 6:00 finished distilling and allowed fires under boiler #2 to die out. Received in Pay Dept. 160 lbs each of fresh meat and bread and 135 lbs of vegetables.

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Fair and pleasant. Gentle to stiff breezes from E by N to East. At 9:30 inspected at quarters and exercised the divisions at routine drill. Then had cutlass drill followed by battalion drill and dress parade. The Commander called officially on the Governor of the Leeward Islands and on the Administrator of St Kitts. In accordance with an order of the Navy Dept. of date Jan. 9, 1900 the Commander detailed Lieut. C.M. Fahs, USN., to take charge of the Engineering Dept. of this vessel in addition to his other duties.

C.M. Fahs
Lieut, USN.

Meridian to 4 P.M.

Fair and pleasant. Gentle to moderate breeze from East. Barometer falling slowly. Finished painting ship and working on boats. The Captain returned the call of the H.B.M. Consul.

Clifton Sun
Ensign, USN

4 to 8 P.M.

Fair and pleasant. Moderate to gentle breeze from East. Overhauled completely the guns of the main battery. At 5:45 sent down topgallant and royal yards.

C.M. Fahs
Lieut, USN.

8 P.M. to Midnight.

Cloudy and pleasant. Light passing rain showers. Third-four. Gentle breeze with occasional stiff squalls. Barometer rising slowly.

Clifton Sun
Ensign, USN.

Examined and found to be correct.

P. F. Leeper
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor Basse Terre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sameness.	State of the Sea.
A. M.																		
1	At anchor			East	East	4			30/9	81	77	75		bc	Cu N.		7	
2				E by S.	"	4-5			30 18	81	77	75		bcq	"		9	
3				"	"	3-4			30 17	81	77	74		bcqs	"		9	
4				"	"	2			30 16	81	76	74		bcq	"		8	
5				"	"	3			30 16	81	76	74		bc	"		5	
6				East	"	3-4			30 17	81	76	74		"	"		5	
7				"	"	3-4			30 18	82	78	74		"	"		5	
8				"	"	3-4			30 21	83	79	74		"	"		5	
9				E. N. E.	E. N. E.	4			30 22	84	80	76		"	"		6	
10				"	"	4			30 23	84	81	77		"	"		5	
11				East	East	4			30 25	85	82	78		"	"		4	
Noon.				"	"	3			30 24	85	82	78		bcq	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. Air.
Longitude by ° ′ ″ For 81 — 81 80

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 74 " 1466 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, sameness.	State of the Sea.
P. M.																		
1	At anchor			E by N.	E by N.	5			30 21	83	80	76		bc	Cu N.		7	
2				E. N. E.	E N E.	4-5			30 19	82	81	77			"		5	
3						4			30 17	82	80	77			"		7	
4				E by N.	East by N.	4			30 17	82	80	77			"		5	
5				"	"	4			30 17	82	80	77			"		5	
6				"	"	4			30 18	80	78	76			"		6	
7				"	"	4-5			30 18	80	78	77		bcq	"		6	
8				"	"	4			30 19	80	78	77		bc	"		5	
9				East	East	4			30 19	80	78	76			"		4	
10				E by S.	"	4			30 19	80	78	76			"		3	
11				"	"	4			30 19	80	78	76			"		3	
Mid.				"	"	4			30 19	80	78	76			"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, January 31st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy, squally, and rainy. Light to stiff breezes in squalls from East. Barometer falling slowly. Drift lead over the side.

W. M. Tamon
Ensign, USN

4. to 8. A.M.

Fair and pleasant. Gentle and moderate breezes from East. Scrubbed blankets. A Royal mail steamer came in and anchored at 6:50. Received in Pay Dept. for crew fresh provisions as follows:- 160 lbs meat, 160 lbs bread, and 198¾ lbs. vegetables.

C. M. Fahs
Lieut, USN.

8. A.M. to Meridian.

Fair and pleasant. Passing rain shower last hour. Gentle to moderate breeze from East, and E.N.E. Barometer rising slowly. At 9:30 went to quarters and had bag inspection and hammock inspection. Royal Mail steamer "Solent" left the anchorage at 9 o'clock flying the British jack at the fore. Painting hammock cloths and setting up main stay. The bag and hammock inspection was held to endeavor to trace a bag lost by P.O.G. Kammerchy (a.3c). By order of the Captain the following a.3c. were released from confinement their terms having expired: J. W. Nelson, A. Bultman, V. Stoll, Voss.

W. M. Tamon
Ensign, USN

Meridian to 4 P.M.

Fair and pleasant. Moderate and stiff breezes from E by N. and E.N.E. Barometer falling slowly. Loosed sail to air and dry about 1:00 and furled it about 3:00. Finished overhauling main battery and setting up main stay. The Commanding Officer awarded the following punishments:- C.L. Millen (a.3c), using obscene language on the spar deck - 5 days confinement on bread and water; J. P. Geary (a.3c), using foul language 4 days confinement on bread and water; A. J. Curran (a.3c), asleep while on cathead lookout and losing his hammock overboard - 5 days solitary confinement on bread and water; A. Rothenbach (a.3c), losing his hammock overboard - 48 hours extra duty.

W. M. Tamon
Ensign, USN.

4. to 8. P.M.

Fair and pleasant. Light passing shower third hour. Moderate to stiff breeze from E by N. Barometer rising slowly. Relieved forecastle.

W. M. Tamon
Ensign, USN

8 P.M. to Midnight.

Fair and pleasant. Moderate breeze from East. Barometer steady. Drift lead over the side.

W. M. Tamon
Ensign, USN

APPROVED.

Frank Courtis
COM'D'R, U.S.N., COM'D'G.

Examined and found to be correct.

E. F. Lapsley
Lieut. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex, 3rd. Rate,

At anchor, Basse Terre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb	TEMPERATURE. Air, Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, same scale.	State of the Sea.
A. M.																		
1	At anchor.			East	East	4			30 30	80	78	76		bc	thn		4	
2				"	"	4			30 19	80	78	76		"	"		4	
3				"	"	4			30 19	80	77	76		"	"		3	
4				"	"	4			30 19	81	77	76		"	"		3	
5				E by N.	E by N.	4			30 19	80	77	76		"	"		3	
6				"	"	4			30 19	78	77	76		"	"		5	
7				"	"	4			30 20	78	76	75		"	"		7	
8				"	"	3			30 28	80	76	75		"	Cu. n.		5	
9				E by S.	East	4			30 25	80	78	76		bcp	"		5	
10				"	"	4			30 28	86	80	78		bcp	"		4	
11				"	"	4			30 29	88	83	79		"	"		4	
Noon.				"	"	4			30 29	88	84	80		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag. Temp. For Alt. 80 - 80 - 79

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-5-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 78 " 1906 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb	TEMPERATURE. Air, Wet Bulb	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, same scale.	State of the Sea.
P. M.																		
1	At anchor.			E. S. E.	East.	3			30 25	87	86	83		bc	Ar-cu		4	
2				"	"	3			30 24	87	86	82		"	"		4	
3				"	E. S. E.	3			30 23	84	84	82		"	"		4	
4				"	"	3			30 23	83	84	81		"	Cu.		3	
5				E by N.	E by N.	3			30 23	83	80	76		"	"		3	
6				"	"	3			30 23	81	79	76		"	"		4	
7				"	"	3			30 23	81	78	75		"	"		3	
8				"	"	3			30 23	81	78	75		"	"		4	
9				"	East	4			30 25	80	78	76		"	Cu. n.		4	
10				"	"	4			30 25	80	77	75		"	"		4	
11				E. n. E.	E. n. E.	4			30 25	79	76	74		"	"		3	
Mid.				"	"	4			30 24	79	76	74		"	"		3	

4-25

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Clear and fine. Moderate breeze from East. Barometer steady

J. R. Baldwin Ensign, USN

4. to 8 AM.

Fair and pleasant. Gentle to moderate breeze from S by W. Barometer rising. Received on Pay Dept from Adams Contractor the following fresh provisions: 160 lbs each of bread and beef, and 80 lbs vegetables. At 5 crossed topgallant and royal yards.

W. H. Hamon
Ensign, USN

8. AM. to Meridian.

Generally clear and pleasant, with light passing showers during first hour. Moderate breeze from East. Barometer rising slowly. At 9.30 mustered at quarters (no absentees) after which the divisions were drilled as per routine. About 11.00 the Governor of the Leeward Islands and the Administrator of St. Kitts called officially on the Commanding Officer of this ship. They were received with the customary honors and on their departure a salute of 17 guns was fired, English flag at the fore truck. Punishments awarded by the Commanding Officer:- O. Holmes (A.B.C.), dishonest of his clothes - 5 days confinement on bread and water; F. Springstead (Ple), having a boy's clothing in his possession - reduced to 4th conduct class.

W. H. Hamon
Ensign, USN

Meridian to 4. PM.

Clear and fine. Gentle breeze from East and S.S.E. Gentle swell rolling in from S.E. At 1.20 called all hands and exercised at spar drill, sending down topgallant masts and then crossing light yards. Received in Constr. Dept. 43 lbs oakum, 10 gals linseed oil, 30 gals turpentine.

J. R. Baldwin Ensign, USN

4 to 8. PM.

Clear and pleasant. Gentle breeze from E by N. Barometer steady.

W. H. Hamon
Ensign, USN

8 PM. to Midnight.

Clear and fine. Moderate breeze from East and E.N.E. Barometer steady

J. R. Baldwin Ensign, USN

Examined and found to be correct.

F. F. Leafe.
Lieut. Navigator.

4—88

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, Basse Terre, St Kitts B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	At anchor			S.W. by S.	S.W. by S.	H			30.23	78	76	74		bc.	Cu.		7	
2	"			"	"	3			30.22	77	76	74		bcp.	Cu. M.		7	
3	"			W. by S.	W. by S.	3-4			30.21	76	75	74		"	"		8	
4	"			S.W. by S.	S.W. by S.	H			30.20	78	76	74		bc.	"		6	
5	"			"	"	H			30.21	79	77	74		"	"		5	
6	"			"	"	H			30.22	79	77	74		"	"		6	
7	"			S. by W.	East	5			30.23	79	77	74		bcp.	"		7	
8	"			S. by S.	"	5			30.24	80	77	74		"	"		6	
9	"			East	"	5			30.27	81	81	75		bc.	"		4	
10	"			"	W. by S.	H			30.29	83	82	77		"	bp.		4	
11	"			"	East	H			30.29	84	83	78		"	"		6	
Noon.	"			"	"	5			30.27	84	83	77		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Ford Aft.
Longitude by ° ′ ″ 80 - 78-78

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass: 2°

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 55-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 105-0 "

Coal consumed during the preceding 24 hours, tons, 605 lbs.

Coal remaining on hand at noon, 73 " 1306 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	At anchor.			East	East	5			30.26	84	83	77		bc	Cu.		5	
2	"			"	"	5			30.26	84	83	77		"	"		6	
3	"			"	"	5			30.27	84	83	76		"	"		6	
4	"			"	"	5			30.21	84	83	76		"	"		5	
5	"			S. by W.	S.W. by S.	5			30.21	83	81	75		"	"		5	
6	"			"	"	5			30.21	81	78	74		"	"		5	
7	"			"	"	5			30.21	80	77	74		"	Cu.		6	
8	"			"	"	5			30.21	80	77	74		bcp	"		7	
9	"			S.W. by S.	"	5			30.22	80	78	75		bc	"		6	
10	"			"	"	5			30.23	79	78	75		"	"		5	
11	"			East	"	3-5			30.23	79	78	75		bcpg	"		5	
Mid.	"			"	"	3-5			30.23	79	78	75		"	"		6	

4—2 6

under the command of Commander Frank Courtis, U. S. Navy,

Friday, February 2nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Fair and pleasant, with heavy showers of rain second and third hours. Moderate to gentle N.E. by E. and S.W. & W. by S. breezes.

Roger Earle,
Ensign, USN

4 to 8 AM.

Generally clear and pleasant, with very light passing showers during last two hours. Moderate and stiff breezes from S.W. & S. and East. Barometer steady. Received on the Department of Supplies and Accounts the following fresh provisions: 160 lbs meat, 160 lbs bread, and 195 lbs vegetables.

W. J. Hanson,
Ensign, USN

8 AM. to Meridian.

Clear and pleasant. Moderate to stiff breeze from N.E. to East. At 9:22 called "all hands clear ship for action." Ready in 19 minutes. Sounded call to General Quarters at 9:41. Divisions reported ready as follows: 3d 1 minute, Powder 1 minute, 4th 1½ minute, 1st 1½ minute, Navigators 2 minutes, 5th 2½ minutes, 2d 3 minutes. Secured at 10:07. Secure in 2 minutes. At 10:06½ called "Rig Ship" and finished at 10:25. At 11:30 loosed sail to dry. The Captain awarded punishments as follows: C. F. Reiff (A.S.C.) 4 hours extra duty for not carrying a message properly. J. E. Bunel (A.S.C.), 4 hours extra duty for having very dirty blanket in hammock. P.O. J. Hammacky (A.S.C.) 4 hours extra duty for being slow in manning boat. P. H. L. Moore (A.S.C.), 4 hours extra duty for failing to report boat time properly. W. L. Preston (Pvt.), 4 hours extra duty for interfering with the Ward Room Cook.

J. E. Eldridge
Ensign, USN

Meridian to 4 PM.

Fair and pleasant. Stiff East by S. breeze. Set up fore and main topmast backstays. At 2:30 hauled sail and sent down royal yards. An examining board to examine F. C. Porter C.M.A.A. for Acting Boatswain met at 1:30 and adjourned at 1:40 until Monday. At 3:30 raised smoke stack and lighted fires under boiler "2" for distilling purposes. Served out monthly money. Cleaned and disinfected bilges. Tested magazine flood & drain cocks and found them in good condition.

Roger Earle,
Ensign, USN

4 to 8 PM.

Clear and pleasant. Stiff breeze from S.W. & S. At 4:19 sounded call to fire quarters. Divisions reported ready as follows:- 4th ½ minute, 1st ¾ minute, and 1½ minutes, 3rd 1¾ minutes, 5th 2 minutes, Powder 2½ minutes, Navigators 2½ minutes. Secured at 4:24. All divisions secure in 3¼ minutes. At 6:35 let go starboard anchor under foot with about 10 fathoms chain.

J. E. Eldridge
Ensign, USN.

8 PM. to Midnight.

Generally fair and pleasant with light passing rain showers last two hours. Gentle to stiff S.W. & S. by E. breeze. Moon set at 8:45. Began distilling at 9:30.

Roger Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Lamson
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St. Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 1-11.	State of the Sea.
A. M.																		
1	At anchor			E by N.	E N E.	5			30 22	79	77	74		bc	Cu. N		6	
2				"	"	5-6			30 22	78	76	74		bcpgg.	"		7	
3				"	"	5-6			30 21	78	76	74		"	"		6	
4				"	East	4-6			30 20	78	76	74		bcg.	"		5	
5				East	"	4-6			30 20	79	78	75		"	"		5	
6				"	E N E.	4			30 20	80	78	75		"	"		7	
7				"	"	4			30 23	79	78	75		"	"		8	
8				E N E.	"	5			30 24	79	78	75		"	"		8	
9				E by N.	"	5			30 26	79	78	75		bcpgg.	"		8	
10				"	"	5			30 29	79	78	75		"	"		9	
11				E N E.	"	5			30 29	83	79	76		"	"		9	
Noon.				"	"	5-7			30 27	83	80	78		ocpgg.	Cu.		10	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Amp. For Aft
Longitude by ° ′ ″ 80- 80-78

Position at noon:
Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1000 "

Water remaining on hand fit for use at noon, 14450 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 71 " 15-86 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 1-11.	State of the Sea.
P. M.																		
1	At anchor			E by S.	E by S.	4-6			30 26	82	76	74		ocpg	N. M		10	
2				E by N.	E N E.	4			30 23	82	76	74		"	"		10	
3				"	"	5			30 23	84	78	75		bc.	Cu. N.		18	
4				"	"	5			30 23	86	80	76		"	"		8	
5				"	"	5			30 23	86	80	75		"	"		8	
6				"	"	5			30 24	83	78	74		"	"		8	
7				"	"	5			30 24	81	78	74		"	Cu.		7	
8				"	E by N.	5			30 25	80	78	74		"	"		7	
9				E N E.	E N E.	5			30 25	80	78	74		"	"		4	
10				"	"	5			30 25	80	78	74		"	"		6	
11				"	"	4			30 25	79	78	74		bcfg.	Cu. N.		5	
Mid.				"	"	5			30 25	79	78	74		bc	Cu.		4	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, February 3rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally fair, but with frequent gusts of wind, accompanied by slight rain moderate to fresh breeze from S.W.S. to East Modelling

C. M. Fahs
Lieut. U.S.N.

4 to 8 A.M.

Fair and pleasant first half, cloudy last half Rain squalls passing to the Southward, moderate to stiff breezes from East and S.W.S. Held Day. Received in Pay Dept for issue 160 lbs each fresh meat and Vegetables, 198 lbs fresh bread.

H. R. Baldwin Ensign, USN

8 A.M. to Meridian.

Generally cloudy with frequent squalls of wind and rain. Stiff to fresh S.W.S. & W. breeze. Cleaning ship. By order of the Commanding Officer placed G. A. Bunce, A.B.C., in confinement for 3 days on bread and water, for continual disorder at drill; and W. A. Cross, M.A.A., in confinement for 5 days on bread and water, for continual neglect of duty and using provoking words to Wardroom Steward's released from confinement J. P. Geary and C. A. Mullen, Ord. S.C., their terms having expired. Moored to 15 fathoms on starboard chain.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and squally. Passing rains at times. Moderate to fresh breeze from S. by S. to S.W. & Sent a liberty party ashore.

C. M. Fahs
Lieut. U.S.N.

4 to 8 P.M.

Cloudy to pleasant. Stiff S.W.S. & W. to S. by W. by breezes.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Stiff and moderate breezes from S.W.S.

C. M. Fahs
Lieut. U.S.N.

Examined and found to be correct.

E. F. Leiper

Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St Kitts, B.W.I.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At anchor.			E.N.E.	E.N.E.	5			30 24	79	77	74		bc	Cu		4	
2				"	"	5			30 23	79	77	74		"	"		6	
3				"	"	5			30 23	78	76	73		"	"		6	
4				"	"	5			30 23	78	76	73		"	"		6	
5				"	"	5			30 22	80	77	73		"	"		4	
6				"	"	5			30 22	80	77	73		"	"		3	
7				"	"	5			30 24	80	77	74		"	"		5	
8				"	"	5			30 26	80	77	74		"	"		5	
9				"	"	5			30 29	82	81	76		"	"		5	
10				"	"	5			30 30	84	82	78		hzy	Cu.		5	
11				"	"	5			30 30	88	80	76		bc	"		5	
Noon.				"	"	5			30 29	77	80	76		"	"		7	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For Alt.
Longitude by ° ′ ″ 81- 81-80

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 24550 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 69 " 1866 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	At anchor			E.N.E.	E.N.E.	4			30 27	87	82	78		bc	Cu.N.		5	
2				"	"	4			30 25	85	80	77		"	"		5	
3				"	"	4			30 23	83	78	76		"	"		4	
4				"	"	4			30 23	84	78	76		"	"		5	
5				"	"	4			30 23	81	79	76		"	Cu.		6	
6				"	"	4			30 22	80	78	76		"	"		8	
7				"	"	4			30 22	80	78	76		"	"		7	
8				"	"	4			30 23	80	78	76		"	Cu.N.		7	
9				East	East	4			30 23	80	78	76		"	"		7	
10				"	"	4			30 24	79	78	76		"	"		4	
11				"	"	5			30 24	79	78	76		"	"		3	
Mid.				"	"	5			30 23	79	78	76		"	"		2	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, February 4th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Stiff E.N.E. breeze. Barometer steady. Distilling.

A. Thurston
Ensign, USN.

4 to 8 A.M.

Fair and pleasant. Stiff E.N.E. breeze. Barometer rising. Received in Pay Dept. 160 lbs. each of fresh bread and meat, and 194 3/4 lbs vegetables.

Ralph Earle,
Ensign, USN.

8 A.M. to Meridian.

Generally fair and pleasant. Heavy rain shower occurred about 9:30. Stiff E.N.E. breeze. At 9:15 inspected at quarters. At 9:30 called all hands to muster, published the Articles for the Government of the Navy and then held general muster. No absentees. The Quebec Line steamer "Chazee" came in at 9:35. Received a bag of mail from her. The "Chazee" sailed at 10:55. The Chaplain held Divine service at 10:15 a.m.

C. M. Fahs
Lieut, USN.

Meridian to 4 P.M.

Fair and pleasant. Moderate breeze from E.N.E. Barometer falling slowly. Distilling.

A. Thurston
Ensign, USN.

4 to 8 P.M.

Fair and pleasant. Moderate breeze from E.N.E.

C. M. Fahs
Lieut, USN.

8 P.M. to Midnight.

Cloudy and pleasant. Moderate to stiff breeze from E.N.E. Barometer steady. Distilling.

A. Thurston
Ensign, USN.

Examined and found to be correct.

F. F. Lauer,
Lieut Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing & Force.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At anchor.			E by N.	E by N.	4-5			30 22	79	78	76		bc	Cu.		5	
2				"	"	4			30 20	79	78	76		"	"		8	
3				"	"	4-5			30 19	78	77	75		bsp.	Cu. m.		8	
4				"	"	4-5			30 19	77	76	74		"	"		8	
5				East	"	4-5			30 20	80	74	74		ocr.	m.		10	
6				"	"	4			30 21	81	74	74		bsd.	Cu. m.		8	
7				E by S	East	4			30 23	83	76	74		bsp.	"		7	
8				East	"	5			30 25	83	78	75		"	"		7	
9				E by S.	"	5			30 27	82	80	76		bc	"		5	
10				East	"	5			30 28	83	84	78		"	"		4	
11				"	"	6			30 27	83	84	78		"	m-cu.		3	
Noon.				"	"	5-6			30 26	84	83	77		"	Cu.		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For'd Aft.
Longitude by ° ′ ″ 81- 80-78

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 760 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 260 lbs.

Coal remaining on hand at noon, 68 " 1606 "

P. M.																		
1	At anchor.		E. S. E.	E by S.	5-6			30 25	84	82	78		bc	Cu.		4	
2			"	"	5-6			30 25	83	82	78		"	"		5	
3			"	"	5-6			30 25	82	80	78		"	"		5	
4			E by N.	"	5-6			30 23	82	80	76		"	"		5	
5			"	East.	5			30 22	81	79	76		"	Cu. m.		6	
6			"	"	5			30 21	81	78	76		"	"		8	
7			"	"	5			30 23	80	78	76		"	"		6	
8			"	"	5			30 24	80	77	76		"	"		7	
9			"	"	5			30 25	80	77	76		"	"		7	
10			"	"	5			30 25	79	77	76		"	"		7	
11			"	"	5			30 25	79	77	75		"	"		8	
Mid.			"	"	5			30 24	78	77	75		"	"		7	

under the command of Commander Frank Courtis , U. S. Navy,

Monday, February 5th, , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally cloudy and pleasant, with passing showers during last two hours. Moderate and stiff breezes in squalls from S. by W. Barometer falling slowly. About 12:00 shut down distiller, tanks being full

W. J. Manion
Ensign, USN.

4. to 8. A.M.

Cloudy with frequent rain squalls. Moderate to stiff breeze from East. Received on Pay Dept. for crew fresh provisions as follows:- 160 lbs. bread, 160 lbs. meat, 198¾ lbs. vegetables. At 7:55 crossed royal yards

Em Bass
Lieut, USN.

8 A.M. to Meridian.

Fair and pleasant. Stiff to fresh breeze from East. Barometer fluctuating. At 9:10 called all hands Clear Ship for Admiral. Ship was cleared in 13 minutes, after which went to General Quarters, all divisions reporting ready in 4¼ minutes and secure in 4½ minutes. Then rigged ship being secure aloft in 20 minutes. J. A. Curran (A.S.C.) was released from confinement by order of the Captain, his term of confinement having expired. At 10:30 examining Board for the examination of G. C. Porter (C.M.A.C.) met and proceeded with the examination. At 11:50 said Board took a recess for luncheon.

Ensign, USN.

Meridian to 4. P.M.

Fair and pleasant. Stiff to fresh breezes from S. by S. Barometer falling slowly. The Examining Board adjourned at 4:00 until 10 o'clock.

W. J. Manion Ensign, USN.

4. to 8. P.M.

Fair and pleasant. Stiff breeze from East. Barometer rising.

Ensign, USN.

8 P.M. to Midnight.

Fair and pleasant. Stiff breeze from East. Barometer nearly steady. About 9:30 J. Dolen (Ca.) returned on board drunk from liberty, and by order of the Commanding Officer he was placed in double irons on the berth deck to sober up.

W. J. Manion Ensign, USN.

Examined and found to be correct.

F. F. Leyser,
Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Aranchor, Basse Terre, St. Kitts, B. W. I.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Bearing & rel.	CLOUDS. Amount, numerals.	State of the Sea.
A. M.																		
1	Aranchor.			E. by N.	E. by N.	5			30 23	78	77	76		bc	Cu. N.		4	
2				"	"	5			30 21	78	77	76		"	"		4	
3				"	"	5			30 20	78	77	76		bcq	"		7	
4				"	"	5			30 19	78	77	76		"	"		3	
5				E. by S.	"	4			30 19	78	77	76		bc	"		3	
6				East	"	4			30 20	78	77	76		"	"		5-	
7				E. N. E.	"	4			30 21	79	77	76		"	"		5-	
8				E. by N.	"	4			30 25	81	80	79		"	"		5-	
9				E. N. E.	"	4			30 26	83	81	79		"	Cu.		4	
10				"	"	4			30 28	85-	82	80		"	"		4	
11				"	"	4			30 28	86	83	81		"	"		4	
Noon.				"	"	4			30 26	86	83	81		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Dev. Aft.
Longitude by ° ′ ″ Var. Aft. 81- 80-79

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 55-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 68 " 406 "

P. M.	Aranchor.																	
1				E. by N.	E. by N.	4			30 21	83	82	77		bc	Cu.		2	
2				"	"	4			30 19	83	82	77		"	"		2	
3				"	"	4			30 19	85-	82	77		"	"		3	
4				"	"	4			30 19	86	82	77		"	"		2	
5				"	"	4			30 20	83	81	76		"	"		3	
6				"	"	3			30 20	82	79	76		"	"		6	
7				"	"	3			30 20	82	78	76		"	"		6	
8				East	"	3			30 21	81	78	76		"	"		5	
9				"	"	3			30 21	80	78	74		"	"		4	
10				"	"	4			30 21	79	78	74		"	"		6	
11				"	"	3			30 21	79	78	74		"	Cu.		6	
Mid.				"	"	3			30 21	79	78	74		Drzl.	"		6	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, February 6th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and fine. Stiff breezes from E.N.E. Barometer falling.

H. R. Bellinger — Ensign, U.S.N.

4. to 8. A.M.

Fair and pleasant. Moderate breeze from E.N.E. Barometer rising. Lowered smoke pipe At 8:00 hoisted sail to dry. Received the following fresh provisions:- 160 lbs each of Beef and Bread, and 199 3/4 lbs. vegetables. J. Holden (Sea) was released from confinement at 5:00

H. R. Bellinger
Ensign, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Moderate breezes from E.N.E. Barometer rising slowly first part, then falling slowly. Furled sail at 9:00, exercised at sending up and down light yards and to gallant masts, and hoisted sail again to dry. Furled sail about 11:30. About 9:30 by order of the Commanding Officer confined C. Abbotts (O.1.c) in single irons for drinking (light and money) after liberty and at 9:00 released J. Holmes, (A.3.c) and G. W. Curran (A.3.c) and restored them to duty, their terms of confinement having expired. Punishments awarded by the Commanding Officer:- J. J. Bolan (A.3.c) and J. A. Burke (A.3.c), using provoking words to a Petty Officer, 3 days confinement on bread and water each; R. Sample (A.3.c), P.C. Francke (A.3.c), M. B. Baldwin (A.3.c), J. Gray (A.3.c), and R. J. Martin (A.3.c), not mustering with boats crew when word was passed - 12 hours extra duty each; J. White (A.3.c), 1 1/4 hours over leave and tight - 3 days confinement on bread and water; E. H. Royal (A.3.c), performing his work in boat improperly - 8 hours extra duty; L. Placek (A.3.c), spitting on deck - 4 hours extra duty; M. Moran (Mm.3.c), returning from liberty under the influence of liquor - reduced to the 2nd Conduct class; D. L. Rusk (Mach. 1.c), using abusive and obscene language to Chief Machinist - reduced to the 4th Conduct Class. Examining board met at 10:00

W. H. Hamon
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Moderate breeze from E. by N. Barometer steady. At 12:30 by order of the Captain confined P. F. LeMoine (A.3.c) in double irons to await investigation, he having attempted to smuggle food to prisoners. Examining board adjourned at 3:05

H. R. Bellinger Ensign, U.S.N.

4. to 8 P.M.

Clear and pleasant. Gentle breezes from E. by N. Barometer rising slowly.

W. H. Hamon
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Moonlight. Gentle to moderate breeze from E. by N. Barometer steady.

H. R. Bellinger Ensign, U.S.N.

Examined and found to be correct.

E. F. Leeper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1	At anchor.			E. by N.	E. by N.	3-4			30 22	79	78	75		hz.	Cu. N.		5	
2					"	4			30 20	79	78	75		"	"		6	
3				E. N. E.	"	4			30 19	78	77	75		"	"		6	
4				"	"	4-5			30 18	78	77	76		hzy	"		7	
5				N. E. by E.	N. E.	4			30 17	78	75	73		"	"		7	
6				E. by N.	E. N. E.	4			30 17	78	76	73		"	"		7	
7				E. N. E.	"	4			30 18	78	75	74		"	"		7	
8				"	"	4			30 21	80	76	74		"	"		7	
9				E. by N.	"	4-5			30 25	84	78	76		"	"		8	
10				"	East	4			30 24	84	78	76		"	"		8	
11				"	"	4-5			30 24	80	77	76		hzyg	"		9	
Noon.				"	"	4			30 24	86	78	76		hzy	"		7	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 80- 86-78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water , during the preceding 24 hours, " "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 67 " 2046 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1	At anchor.			N. E. by E.	E. N. E.	4			30 23	90	77	76		hzy.	Cu. N.		9	
2				"	"	4			30 21	90	77	76		"	"		8	
3				"	"	3			30 19	86	77	76		ovr.	Min.		10	
4				N. E.		3			30 19	87	77	76		hzdy.	Cu. N.		8	
5				N. E. by N.	N. E. by N.	3			30 18	87	75	76		hzy.	"		8	
6				East	East	2-3			30 18	87	75	74		"	"		9	
7				N. E.	N. E.	2			30 17	82	75	74		hz.	"		6	
8				"	"	2			30 17	80	75	74		"	Cu.		3	
9				"	"	2			30 18	76	75	74		"	Cu. N.		4	
10				"	"	2			30 18	78	76	74		hzy.	"		8	
11				E. N. E.	"	2			30 18	79	76	74		hz.	"		6	
Mid.				N. E.	"	2			30 19	79	76	74		"	"		5	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 7th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear to fair and pleasant with heavy rain last hour. Gentle to stiff E. by N. ly breeze. Barometer falling. Moon set at 12:40.

Roger Earle,
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant, with frequent passing rain showers. Moderate breeze from N.E. and E.N.E. Barometer rising slowly. Received in the Department of Supplies and Accounts the following fresh provisions:- 160 lbs. bread, 160 lbs. meat and 193¾ lbs vegetables.

W. H. Lamon
Ensign, U.S.N.

8 A.M. to Meridian.

Overcast with heavy rain at intervals. Moderate to stiff breeze from East and E.N.E. At 9:30 mustered at quarters and exercised at routine drills:- 1st Div. Small Arms, 2nd Div. Battery, 3rd Div. Signals, 4th Div. Artillery, 5th Div. Pistols and signals. The Captain awarded punishments as follows:- C. Doherty (A.B.) and J. Dolan (Sea) Returning from liberty under the influence of liquor, reduced to second Conduct Class. P.O. Le Moine (A.B.) Attempting to smuggle food to a prisoner, reduced to 2nd Class. J. P. Geary and C. W. Eddings (Ord. Sea.) Disorderly at quarters, 4 hours extra duty. C. Doherty (A.B.) was released from confinement and restored to duty. The Examining Board met at 10 pursuant to adjournment of yesterday.

F. P. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy with passing rain squalls. Moderate to gentle E.N.E. ly breeze. The Examining Board met at 1.00 pursuant to adjournment of the forenoon, and adjourned at 3:50 having finished its business. Quebec Line steamer "Montabello" came in at 12:00.

Roger Earle,
Ensign, U.S.N.

4 to 8 P.M.

Overcast with heavy rain first half, then clearing. Light to gentle breeze from N.E. by N. to East. Barometer steady.

F. P. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy to fair and pleasant. Light N.E. ly airs. Moonlight.

Roger Earle,
Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St. Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, each in.	State of the Sea.
A. M.																		
1	Anchor.			N. E.	N. E.	2			30 16	80	76	75		bsf.	Cu. N.		5	
2				N. N. E.	N. N. E.	2			30 13	80	75	74		bc	"		4	
3				"	"	1			30 11	80	75	74		"	"		6	
4				"	"	1			30 11	82	75	74		"	"		4	
5				North	N. E.	1			30 11	83	74	74		bsf.	"		4	
6				"	"	1			30 12	82	74	74		"	"		4	
7				"	N. N. E.	1			30 13	81	75	74		bc.	"		5	
8				"	"	1			30 16	81	76	73		"	"		5	
9				"	"	2			30 19	84	77	73		"	"		5	
10				N. E. by N.	N. E. by N.	3			30 21	85	80	76		"	"		5	
11				"	"	3			30 21	84	80	75		"	"		4	
Noon.				N. E.	N. E.	3			30 18	83	83	78		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.
80 — 79-78

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1100 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 67 " 1446 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, forms.	CLOUDS. Amount, each in.	State of the Sea.
P. M.																		
1	Anchor			N. E.	N. E.	3			30 15	83	83	78		bc.	Cu. N.		4	
2				"	"	3			30 12	82	81	77		"	"		4	
3				"	"	3			30 10	82	80	77		"	Cu.		4	
4				"	"	3			30 10	83	80	77		"	"		5	
5				North	N. N. E.	2			30 11	80	79	76		"	"		5	
6				"	"	2			30 11	79	78	76		"	"		4	
7				N. by W.	"	1			30 11	79	78	76		"	"		1	
8				N. N. W.	North	1			30 12	78	76	73		"	"		1	
9				N. W.	"	2			30 13	78	75	73		"	"		1	
10				"	"	2			30 13	78	75	73		"	"		1	
11				N. N. W.	"	1			30 12	78	75	73		"	"		3	
Mid.				North	"	1			30 12	78	75	73		"	"		3	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 8th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and pleasant. Light breezes and airs from N. E. to N. N. E. Moon set at 1:40. A Royal Mail Steamer came in at 1:00 and left at 3:15.

C. W. Fahs
Lieut., U.S.N.

4 to 8. A.M.

Clear and pleasant. A light drizzling rain falling at 6:30. Hove up starboard anchor, and finding it foul of port chain, cleared it. Steamer "Fontabelle" left the harbor at 7:20. Received in Pay Dept for issue 100 lbs bread, 198 3/4 lbs meat and 198 3/4 lbs vegetables.

H. H. Bolton Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Light to gentle breeze from N. N. E. to N. E. At 8:45 loosed sail to dry. At 9:30 mustered at quarters, no absentees. At 9:38 1/2 sounded call to provision boats, which was completed in 10 1/2 minutes. Called abandon ship at 9:49 all boats being lowered, save steam launch, and away in 5 1/2 minutes; and in following order steam launch, 1 minute; 2d cutter, 1 1/2 minutes; dinghy, 2 1/2 minutes; 1st cutter, 3 1/2 minutes; 4th cutter, 3 minutes; sailing launch, 3 1/2 minutes; 3rd cutter, 4 minutes; gig, 5 minutes; whale boat, 5 1/2 minute. After inspecting and taking free board of all boats at gangway, secured at 10:15. By order of the Commanding Officer placed J. Holmes, C.S.C., in solitary confinement for 5 days on bread and water, for attempting to smuggle food to a prisoner; and released W. H. Cross, M.A.A., from confinement his term having expired.

Royal Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle N. E. breeze. Rove off new falls for 3rd and 4th cutters. Hoisted the smoke stack and lit fire in boiler No 1 for distilling. At 3:40 furled sail.

C. W. Fahs
Lieut., U.S.N.

4 to 8 P.M.

Clear and pleasant. Light breezes and airs from N. N. E. and North. Began distilling at 7:40.

Royal Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Light breezes and airs from North. Distilling.

C. W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

C. F. Lester
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each form.	State of the Sea.
A. M.																		
1	At anchor			N. N. W.	N. N. W.	2			30 10	78	75	73		hz.	Cu.		3	
2				N. W.	North	2			30 10	78	74	73		hzy.	Cu. N.		4	
3				N. N. W.	"	2			30 07	77	74	73		"	"		4	
4				"	"	3			30 06	76	74	73		"	"		5	
5				N. E.	"	2			30 06	78	74	73		"	"		4	
6				North	N. N. E.	2			30 07	77	74	73		oc.	"		10	
7				"	"	2			30 09	78	75	73		hz.	"		4	
8				N. N. E.	"	2			30 13	82	78	74		"	"		4	
9				North	"	3			30 19	83	81	78		hzy	"		5	
10				N. N. E.	"	3			30 19	85	84	79		lz.	"		5	
11				"	"	3			30 19	85	84	80		"	"		4	
Noon.				"	"	4			30 18	85	84	80		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Alt. 80– 80-79
Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at noon, 15000 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 66 " 86 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving Forms.	Amount, each form.	State of the Sea.
P. M.																		
1	At anchor			N. E. by N.	N. N. E.	4-5			30 14	86	82	75		hz.	Cu.		6	
2				"	"	4-5			30 13	80	78	72		"	"		2	
3				N. N. E.	"	4			30 12	80	79	74		"	"		1	
4				"	"	4			30 12	80	79	73		"	Cr. Cu.		2	
5				"	"	4			30 13	80	79	78		"	"		2	
6				"	"	3			30 13	79	77	72		"	"		2	
7				"	"	2			30 13	78	77	72		"	"		2	
8				"	"	3			30 13	78	76	72		"	"		2	
9				North	North	3			30 16	78	76	72		"	"		1	
10				N. by E.	"	3			30 16	77	76	72		"	Cu.		3	
11				"	"	3			30 16	77	76	72		"	"		3	
Mid.				"	"	3			30 16	77	75	72		"	"		5	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, February 9th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and pleasant. Passing showers. Light to gentle breeze from North and N.N.W. Barometer falling. Moon Sstar & to. Distilling.

Wm Bin
Ensign, USN

4 to 8 A.M.

Cloudy to overcast. Light North & to N.N.E. & breezes. Received in Paydept. 159 lbs fresh bread, and 198½ lbs. each of fresh meat and vegetables.

Rafael Barba
Ensign, USN

8 A.M. to Meridian.

Generally fair and pleasant but with light passing showers first hour. Gentle to moderate breeze from N.N.E. By order of the Commander released from confinement and restored to duty J. Whelan (App. 3 c) J. J. Bryan (App. 3 c) and J. A. Bunel (App. 3 c). At 9.30 exercised at General Quarters - all stations ready in 3 minutes and all secured in 3 minutes. Tested magazine and shell room drains and flood cocks, and found them all in good condition. Cleaned and disinfected bilges. By order of the Commander placed E. D. Royal (App. 3 c) in 3 days confinement on bread and water for being below on gun deck asleep while on Anchor watch.

C. W. Fahs
Lieut, USN

Meridian to 4 P.M.

Clear and pleasant. Moderate to stiff N.N.E. breeze Barometer falling. At 1:30 exercised with light yards and topgallant masts. After which loosed sail to dry which was furled at 3:30. Distilling.

Wm Bin
Ensign, USN

4 to 8 P.M.

Clear and pleasant moderate to light breeze from N.N.E.

C. W. Fahs
Lieut, USN

8 P.M. to Midnight.

Clear and pleasant. Gentle breeze from North. Barometer steady. Distilling.

Wm Bin
Ensign, USN

Examined and found to be correct.

F. F. Russ
Lieut. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Anchor, Basse Terre, St. Kitts, B.W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	Anchor.			N by E	North.	2			30 16	79	76	73		be.	Cu.		5	
2				"	"	2			30 16	78	76	73		"	"		6	
3				N. E.	N. N. E.	3			30 16	78	76	73		"	"		7	
4				"	"	3			30 16	78	76	73		"	"		8	
5				N. N. E.	"	2			30 13	78	75	71		"	"		7	
6				"	"	2			30 14	78	75	70		"	"		9	
7				N by E.	"	2			30 17	80	75	69		"	"		9	
8				N. E by N.	"	2			30 20	81	76	70		"	"		8	
9				"	"	2			30 20	82	77	73		"	"		8	
10				N. N. E.	"	4			30 25	85	77	72		"	"		7	
11				"	"	4			30 24	87	77	73		"	"		7	
Noon.				N. E	N. E.	4			30 23	86	79	75		"	Cu.		4	

Position at 8 A. M.	Latitude by	° ′ ″	Mag. Temp.
	Longitude by	° ′ ″	For. Obs.
			81— 80 79
Position at noon:	Latitude by observation	° ′ ″	
	Longitude by observation	° ′ ″	
	Latitude by D. R.	° ′ ″	
	Longitude by D. R.	° ′ ″	

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.	Latitude by	° ′ ″
	Longitude by	° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1500 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 64 " 366 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	Anchor.			N. E.	N. E.	4			30 24	84	78	76		be.	Cu.		5	
2				N. E by N.	"	4			30 20	84	78	75		"	"		5	
3				"	"	4			30 19	84	78	75		"	"		5	
4				N. E. by E.	"	5			30 18	81	78	75		be.	Cu. N.		7	
5				N. E by N.	N. E by N.	5			30 18	80	78	72		be	Cu.		4	
6				"	"	5			30 18	79	76	71		"	"		4	
7				"	"	5			30 18	78	76	71		"	"		4	
8				N. E.	N. E.	5			30 19	78	76	71		"	"		3	
9				N. E by N.	"	5			30 20	76	75	71		"	Cu. N.		3	
10				"	"	5			30 21	76	75	71		"	"		5	
11				N. E.	"	5			30 21	76	74	71		"	"		6	
Mid.				"	E. N. E.	5			30 21	76	74	71		"	"		7	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, February, 10th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear to fair and pleasant. Moon set about 3:15. Light increasing to gentle breezes from North and N.N.E. Barometer steady.

W. J. Maynard
Ensign, U.S.N.

4 to 8 A.M.

Generally fair and pleasant. Light N.N.E. breeze. Received in Pay Dept. for crew fresh provisions as follows:- 159 lbs. bread, 198 3/4 lbs. Beef, 198 3/4 lbs. Vegetables.

C. W. Parks
Lieut, U.S.N.

8 A.M. to Meridian.

Fair and pleasant. Light to moderate breeze from N.N.E. and N.E. Barometer rising, then falling. The Captain assigned the following punishments. J. A. Bunel (A.B.C.) Disobedience of orders, 3 days solitary confinement on bread and water. A. N. Doane (A.B.C.) and [illegible] Martini (A.B.C.) Skulking, 8 hours extra duty. Cleaning ship.

[illegible]
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Moderate and stiff breezes from N.E. Barometer falling slowly. At 3:00 bent light sails and main topmast staysail. Securing for sea. The Chief Quartermaster overhauled and greased wheel ropes and found them in good condition.

W. J. Maynard
Ensign, U.S.N.

4 to 8 P.M.

Fair and pleasant. Stiff breeze from N.E. by N. Barometer steady. Making preparations for sea.

[illegible]
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Bright moonlight. Stiff breezes from N.E. and E.N.E. Barometer steady. Shut down distiller at 9.45 tanks being full and banked fires.

W. J. Maynard
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lasher,
Asst. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Basse Terre, St Kitts, B. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, easterns.	State of the Sea.
A. M.																		
1				N. by E.	N. E. by E.	5			30.19	78	74	70		bcp.	Cu. n.		6	
2				"	"	5			30.18	76	76	70		bcp	"		4	
3				"	"	5			30.17	76	75	70		"	Cu.		4	
4				"	"	5-6			30.17	76	74	69		"	"		4	
5				"	N. E.	5			30.17	76	75	70		"	"		3	
6				E. N. E.	"	5			30.18	77	76	70		"	Cu. n.		6	
7				"	"	5			30.20	77	75	70		"	"		5	
8				"	"	4			30.23	80	79	73		"	Cu.		4	
9				N. E. by E.	N. E. by E.	4			30.26	80	79	75		"	Cu. n.		6	
10			18.6	E. N. E.	E. N. E.	4			30.27	81	82	78		"	"		7	
11	2/3	3	18.9	S.W. by W.														
	3/3	1	19.0	W. 1/2 N.		4			30.27	81	79	78	75	"	"		7	S
Noon.	3/3	4	19.4															
	0	9	19.3	N.W. 1/2 W.	"	4			30.26	82	79	78	78	bcp.	"		7	"

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″ Mag. Temp. For. Alt. 80— 78.78

Position at noon: { Latitude by observation / Longitude by observation / Latitude by ~~D. R.~~ bearings / Longitude by ~~D. R.~~ bearings } ° ′ ″ 17° 17′ 10″ N. 62° 61′ 45″ W.

Course made good since preceding noon: Coasting

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 7.7 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by bearings / Longitude by bearings } 17° 39′ 30″ N. 63° 25′ 50″ W.

Variation of compass: from chart 1° 00′ W. 'ly

Error of compass observed at 5.04 5° 39′ W. 'ly

Deviation of compass on W. N. W. 4° 39′ W. 'ly

Water expended during the preceding 24 hours, 560 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 26650 "

Coal consumed during the preceding 24 hours, 2 tons, 1720 lbs.

Coal remaining on hand at noon, 61 " 1886 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, easterns.	State of the Sea.
P. M.																		
1	3	0	21.6	N. W. 1/4 W.	E. N. E.	4		1/4	30.24	81	80	77	75	bc	Cu.		5	S.
2	4	4	26.0															
	3	2	29.2															
3	3	6	30.8	N. W. 1/4 N.	"	4		1/4	30.22	79	79	75	78	"	"		5	"
4	5	8	36.6	"	"	4		1/4	30.21	78	78	75	78	"	"		8	"
5	6	0	42.6	N. W. 3/4 N.	"	4		1/2	30.21	78	77	72	78	"	"		8	"
6	5	9	48.5	"	"	4		1/2	30.21	78	76	72	78	"	"		7	"
	1	0	49.5															
7	4	3	53.8	W. N. W.	"	4			30.22	77	76	73	78	"	Cu.		1	"
8	6	0	59.8	"	"	4			30.23	77	76	73	78	"	"		1	"
9	5	9	65.7	"	"	5	5°		30.25	77	76	73	78	"	"		3	"
10	6	1	71.8	"	"	5	5°		30.25	77	76	73	78	"	Cu.		4	"
11	6	3	78.1	"	"	5	4°		30.25	78	76	73	78	"	"		5	"
Mid.	6	7	84.8	"	"	5	4°		30.25	78	76	73	78	"	"		5	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, February 11th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant Stiff breezes from N.E. by E. Barometer steady.

J. R. Baldwin
Ensign, USN.

4 to 8 A.M.

Fair and pleasant Stiff to moderate breeze from N. & Barometer rising. At 5.00 started fires under boiler "A". Moon set at 4.10

W. Friedell
Ensign, USN.

8 A.M. to Meridian.

Fair and pleasant. Moderate breezes from N.E. by E. and E.N.E. Barometer steady. At 9.30 mustered at quarters. No absentees. Finished making preparations for sea and at 9.55 called "all hands up anchor". Got underway at 10.15 and started ahead on Engines on course S.W. 5/8 W. (P.S.C.), and put over patent log reading 11.6. At 10.30 changed course to W. 1/2 N. (P.S.C.) pat log reading 12.9. Called all hands make sail about 10.30 and set all plain sail except mainsail. Unshipped propeller at 10.25 and banked fires in boilers "A" and "B". Wind hauling aft, took in main topmast staysail and trysail about 11.15, and the spanker about 11.30, and set them again about 11.55. At 11.50 changed course to N.W. 1/4 W. (P.S.C.) Patent log reading 18.4. Draft of ship: forward 13'.9"; amidships 14'.9"; aft 16'.7". Punishments awarded by the Commanding Officer:- J. J. Bogan (A.S.C.) and C. B. Allan (A.S.C.), going in swimming without permission, 4 hours extra duty; A. Robinson (A.S.C.), refusing to obey orders of Coxswain - 3 days confinement on bread and water. At end of watch Under all plain sail except mainsail, on course N.W. 1/4 W. (P.S.C.).

W. J. Manson
Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant Rain squalls around horizon. Moderate breeze from E. by N. & N. on course N.W. 1/4 W. till 2.40 when changed course to N.W. 1/4 N. pat. reading 8.92. Under all sail except mainsail. At 3.15 hauled down flying jib while setting up t.g. gallant preventer backstay. Passing St. Eustatius on stbd. hand. Saba in sight on stbd. bow.

J. R. Baldwin
Ensign, USN.

4 to 6 P.M.

Fair and pleasant. Moderate E.N.E. by E. breeze. Barometer steady. Ship steady. At 4 changed course to N.W. 3/4 N. (P.S.C.) Log 31.6. Saba and St. Eustatius Islands on stbd. hands. Under all sail save mainsail, on course N.W. 3/4 N. (P.S.C.) log 48.5 at end of watch.

Ralph Earle,
Ensign, USN.

6 to 8 P.M.

Fair and pleasant. Moderate breeze from E.N.E. Bright moonlight At 6.10 changed course from N.W. 3/4 N. (P.S.C.) to W. by N. W. (P.S.C.). All sail set save the mainsail. Island of Saba in sight on the stbd quarter during the watch. Ship nearly steady.

C. McFate
Lieut, USN.

8 P.M. to Midnight.

Fair and pleasant Bright moonlight Stiff breeze from E.N.E. Barometer steady. Course W. by N. W. (P.S.C.). Under all sail save mainsail. At 11.50 sighted a steamer standing to S'd and E'd. Ship rolling easily at times to swell on stbd. beam, about 4 times per minute. Max. roll 15° to port and 7° to stbd. Lost sight of Saba Island about 8.30.

W. Friedell
Ensign, USN.

Examined and found to be correct.

F. T. Leiper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Bass Terre, St Kitts, to Fredericksted, Santa Cruz

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	Air. Dry	Air. Wet	Water at Surface	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving forms.	Amount, eighths.	State of the Sea.
A. M.																		
1	6	8	91.6	W.N.W.	E.N.E.	5	5°	1/2	30.34	79	76	73	78	bc.	Cu.		3	m.
2	6	5	98.1	"	"	5	5°	1/2	30.33	79	76	73	78	"	"		3	"
3	6	9	5-0	"	"	5	5°	1/2	30.32	79	76	73	78	bcf.	Cu.N.		6	"
4	6	7	11.7	"	"	5	5°	1/2	30.31	78	75	73	78	bc	"		7	"
5	7	1	18.8	"	"	5	5°	1/2	30.31	77	76	71	78	"	Cu.		5	"
6	7	4	26.2	"	"	5	5°	1/2	30.33	77	76	71	78	"	"		6	"
7	0	7	26.9	W.N.W.	"	5			30.33	79	76	71	78	"	"		5	"
8	5	8	32.7	W.S.W.	"	4			30.34	79	76	71	78	"	"		5	"
9	4	1	37.8	S.W.xS.	"	5			30.28	79	76	71	78	"	"		8	"
10	5	2	43.5	Various	"	5			30.29	79	76	71	78	bcf.	Cu.N.		8	S.
11	At anchor.		48.7	E.N.E.	"	5			30.29	81	79	74	—	bc.	"		8	—
Noon.				"	"	5			30.27	82	80	76	—	"	"		7	—

Position at 8 A. M. { Latitude by Soundings / Longitude by Soundings } 17° 50' 20" N. Mag. Temp. Air
63° 48' 40" W. For. 80- 78-77

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ' "

Course made good since preceding noon: Coasting

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 129 4 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, 1 tons, 960 lbs.

Coal remaining on hand at noon, 60 " 926 "

P. M.													
1	At anchor.												
2	East	East	4	30.26	84	81	74		bc.	Cu.N.		8	
3	E.N.E.	E.N.E.	3-5	30.23	82	80	73		"	Cu.Cu.		9	
4	"	"	4	30.23	83	80	74		"	"		8	
5	"	"	4	30.23	85	79	73		"	"		9	
6	"	"	3	30.23	85	78	73		"	"		8	
7	"	"	2	30.24	80	77	72		"	"		8	
8	N.E.	"	2	30.25	80	77	72		"	"		8	
9	"	"	2	30.25	80	77	71		"	Cu.		8	
10	E.N.E.	"	2	30.25	78	76	71		"	Cu.Cu.		9	
11	N.E. by E.	"	2	30.25	78	76	72		oc.	"		10	
Mid.	E.N.E.	"	3	30.25	78	76	71		bc.	"		9	
	"	"	3	30.25	77	76	71		"	"		9	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, February 12th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Bright moonlight. Stiff breeze from E.N.E. Barometer falling slowly. Ship nearly steady with 5° heel to port. Under all plain sail, except mainsail, on course W.N.W. (P.S.C.).

W. H. Lamon
Ensign, USN.

4 to 8 A.M.

Fair and pleasant. Bright moonlight first hour. Moon set behind land cloud bank at 4:15. Stiff to moderate breeze from E.N.E. Under all sail except mainsail. On course W.N.W. At 6:05 changed course to West, pat. log reading 36.9. At 7:15 changed course to W.S.W., pat. log reading 39.2. Set deck clock back 6 minutes at 7:30. At 4:00 sighted Santa Cruz three points on port bow and at 6:00 sighted land on starb'd beam. At 6:15 took in main topmast staysail and at 6:30 took in spanker and trysail.

H. R. Baldwin
Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant. Stiff E.N.E. by breezes. At 8:50 took in and furled all sail, coupled up propeller, and and went ahead with engine at 9:05. By order of the Commanding Officer released S. D. Royal, A.B.C., from confinement his term having expired. At 9:30 mustered and inspected divisions at quarters. On course W.S.W. (P.S.C.) until 9, after that steering into the anchorage off Frederikstead, the Captain and Navigator on the bridge. Hauled in pat. log at 9:55 reading 47.7. At 10:05 anchored in 7 fathoms of water, hard sandy bottom, 30 fathoms on port chain. Bearings of anchorage:- Fort flagstaff S. 79° E., La Grange chimney N. 74° E., Prosperity Chimney N. 39° E., and Butlers Bay point N. 43° W., ship's head S.S.E., all bearings by standard. Allowed fires under boiler "A" to die out, and began distilling with boiler "D" at 10:45. The health officer boarded the ship and granted pratique. The Aid of the Commanding Officer of the garrison called officially on the Captain. Sent an officer to communicate with U.S. Consul and the latter called officially on the Captain, on his departure was saluted with 5 guns, the U.S. flag at fore. Draft of ship 13'3" forid, 16'7" aft. Discovered a stock bolt of the starb'd forward 6-pdr. to be missing. Unbent the main topmast staysail.

Rayph Earle,
Ensign, USN.

Meridian to 4 P.M.

Cloudy and pleasant. Moderate to stiff breezes from East to E.N.E. Exercised at sail drill - loosing and furling. The Commander returned the visit of the U.S. Consular Agent on shore.

C. W. Fahs
Lieut., USN.

4 to 8 P.M.

Cloudy and pleasant. Gentle to light E.N.E. by breezes.

Rayph Earle,
Ensign, USN.

8 P.M. to Midnight.

Cloudy and pleasant. Light to gentle breezes from E.N.E.

C. W. Fahs
Lieut, USN.

Examined and found to be correct.

F. F. Leupp.
Lieut. Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Fredericksted, Santa Cruz, W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			E.N.E.	E.N.E.	2			30.24	78	76	72		bc.	Cu		7	
2				N.E.	"	2			30.23	78	76	72		"	"		8	
3				E by N.	"	2			30.22	78	76	72		"	Cu. N.		8	
4				"	"	2			30.22	78	76	72		"	"		9	
5				N.E.	N.E.	2			30.22	79	76	71		oc.	"		10	
6				East	"	2			30.23	80	76	71		"	"		10	
7				E by N.	E.N.E.	2			30.24	79	76	72		vcp.	"		10	
8				N.E.	"	2			30.27	81	76	72		"	"		10	
9				N.E. by N.	"	2			30.30	82	82	73		bc.	"		9	
10				E by N	"	2			30.30	82	82	73		bcp.	"		9	
11				"	"	2-3			30.29	82	82	73		"	"		9	
Noon.				"	"	2-3			30.28	83	82	73		bc.	"		9	

Mag. Temp. For Alt. 80 - 77-76

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at noon, 27000 "

Coal consumed during the preceding 24 hours, tons, 760 lbs.

Coal remaining on hand at noon, 59 " 166 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
P. M.																		
1	At anchor			N.E.	N.E.	3			30.27	87	80	75		bc.	Cu. N.		7	
2				"	"	3			30.25	86	78	74		"	"		6	
3				N.E. by E.	"	3			30.23	85	80	74		"	"		7	
4				"	N.E. by N.	3			30.22	85	80	74		"	"		5	
5				E.N.E.	N.E. by E.	3			30.22	81	78	73		"	"		8	
6				N.E.	"	2			30.22	80	77	72		"	"		8	
7				"	"	1			30.22	80	76	73		"	"		8	
8				"	"	1			30.22	81	76	73		"	"		6	
9				"	N.E.	2			30.23	81	76	73		"	Cu.		4	
10				"	"	2			30.23	79	76	73		"	"		3	
11				"	"	2			30.23	79	74	73		"	"		2	
Mid.				"	"	1			30.23	79	74	72		"	"		3	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 13th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Cloudy and pleasant Light E.N.E breeze Barometer falling slowly. Stopped distilling at 2.00 and allowed fires under boiler to die out.

Ensign, USN.

4. to 8. A.M.

Cloudy to overcast with passing rain showers last half. Light N.E by E to E.N.E by E breezes. Lowered smokestack. Moon set at 2.35.

Ensign, USN.

8 A.M. to Meridian

Cloudy and pleasant, Passing rain shower beginning of 2nd hour. Light breeze from E.N.E. Exercised at sail drill until interrupted by the rain. At 9.30 inspected at quarters, then inspected bags. The Commander called officially upon the Officer Commanding the troops on shore. By order of the Commander released from confinement and restored to duty J. Holmes (App. 3 C.) and J. A. Burnel (App. 3 C.). The Commander awarded the following punishments to Wm Gachrau (Mate) absent on leaving orders and impudent to Ward Room Steward, 5 days confinement on bread and water; J. A. Eddy and J. W. Delan (Apps. 3 C.) for shirking being absent from their stations at furling sail, 2½ hours extra duty; W. S. W. Martin (App. 3 C.) for impudence to a Petty Officer 4 days at drill, 3 days confinement on bread and water.

Lieut, USN.

Meridian to 4 P.M.

Fair and pleasant. Gentle to light N.E and N.E by N. breeze Barometer falling. By order of the Captain T. Donovan (A. B. C.) was placed in single irons to await investigation for insolence to Officer of Deck. Exercised royal yardmen for one hour at loosing and furling sail. Set up lower rattlings and main rigging.

Ensign, USN.

4 to 8. P.M.

Cloudy and pleasant Gentle breeze to light airs from N.E by E. At 4.50 the US Brigantine "Telos" of Bangor, Me. came in and anchored. Sent an officer to board her and found her to be 12 days from Wilmington, Del. and loaded with lumber for this island. Moon rose about 5.50.

Lieut, USN.

8 P.M. to Midnight

Clear fine weather. Bright moonlight. Light N.E breezes and airs. Barometer steady. Small schooner left the harbor and stood to the North.

Ensign, USN.

Examined and found to be correct.

Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Fredericksted, Santa Cruz, W.I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as to rest.	State of the Sea.
A. M.																		
1	At anchor.			N. E.	N. E.	2			30 22	78	75	72		be.	Cu		4	
2				"	"	2			30 21	77	75	72		"	"		3	
3				"	"	2			30 19	77	75	72		"	"		3	
4				"	"	2			30 19	77	75	72		"	"		3	
5				N. E. by N.	E. N. E.	2			30 19	77	75	72		"	"		4	
6				N. E.	"	2			30 20	76	75	72		"	"		5	
7				"	"	2			30 21	79	76	73		"	"		5	
8				"	"	2			30 23	81	81	75		"	"		5	
9				E. N. E.	E. N. E.	3			30 25	82	79	76		"	Cu. N		8	
10				"	"	3			30 27	86	80	76		beg	"		8	
11				"	"	3-5			30 27	85	81	75		"	"		6	
Noon.				"	"	4			30 26	87	82	76		be.	.		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. In. Att.
Longitude by ° ′ ″ 80 78 77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2150 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 68 " 1806 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as to rest.	State of the Sea.
P. M.																		
1	At anchor			E. N. E.	E. N. E.	3			30 25	88	81	75		be	Cu. N		6	
2				"	"	3-4			30 22	86	80	75		beg	"		6	
3						3			30 22	83	78	74		"	"		7	
4				N. E.	N. N. E.	3			30 22	82	78	75		"	"		7	
5				"	N. E.	3			30 23	83	78	76		"	"		8	
6						2			30 23	83	78	76		"	"		8	
7				N. E. by E.	"	2			30 23	82	75	74		be	"		7	
8				"	"	3			30 22	81	74	74		beg	"		9	
9				"	"	3			30 22	80	74	74		"	"		6	
10				"	"	3-4			30 22	80	74	72		be	"		5	
11				"	"	3-4			30 22	80	74	72		"	"		8	
Mid.				"	"	3-4			30 20	80	74	72		beg	"		8	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 14th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Light breeze from N. E. Barometer falling slowly.

W. H. Hamilton
Ensign, USN.

4. to 8. A.M.

Generally fair and pleasant. Light E. N. E. breeze. Moon set at 6:15. Received in Pay Dept. for crew 159 lbs of fresh bread, and 198 3/4 lbs each of fresh beef and vegetables. Rigged out the sailing launch.

E. M. Fuhs
Asst, USN.

8 A.M. to Meridian.

Generally fair and pleasant. Gentle breeze with moderate to stiff puffs from E. N. E. Barometer rising slightly. At 9.30 mustered at quarters, absentee:- W. White (B.M. 2d Cl.) At 10:30 called all hands make sail and for half an hour exercised at sail drill. The Captain assigned the following punishments. T. Donovan (A.S.C.), Grossly insolent to Officer of Deck, 5 days confinement on bread and water. R. Hayden (A.S.C.), J. B. Linde (A.S.C.), R. N. Calhoun (A.S.C.) and E. R. Corbett (A.S.C.), returning from liberty tight, each reduced to 4th Class. N. T. Geder (A.S.C.), Disobedience of orders, 5 days double irons. After sail drill left sail loosed to dry. By order of the Captain N. Robinson (A.S.C.) was released from confinement, his term having expired.

W. H. Hamilton
Ensign, USN.

Meridian to 4. P.M.

Fair and pleasant. Gentle and moderate breezes from E. N. E. and N. N. E. Barometer falling slowly first two hours then steady. Furled sail at 1.35. Apprentices engaged in 22 cal. target practice. Put new seizing on fore topsail lifts.

W. H. Hamilton
Ensign, USN.

4 to 8. A.M.

Cloudy and pleasant. Passing rain showers last hour. Gentle to light breeze from N. E. Barometer steady. L. E. Stub (A.S.C.) was brought on board at 4:40 dead drunk.

W. H. Hamilton
Ensign, USN.

8 P.M. to Midnight.

Generally fair and pleasant with light passing showers at intervals. Generally bright moonlight. Gentle to moderate breezes in squalls from N. E. Barometer generally steady, falling slowly last hour.

W. H. Hamilton
Ensign, USN.

Examined and found to be correct.

F. F. Leiper,
Asst. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Fredericksted, Santa Cruz, D. W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
A. M.																		
1	At anchor			N E by E	N E	3			30 20	76	74	74		b c p	Cu. N.		9	
2				E N E		3			30 19	76	74	73		"	"		9	
3				"	E N E	3			30 14	77	74	73		b c	S. Cu		6	
4				"	"	3			30 17	77	74	73		"	Cu. N.		8	
5				"	"	3			30 16	80	74	73		b c p	"		9	
6				N E	"	3			30 16	80	74	73		"	"		7	
7				N by E	"	3			30 18	78	76	74		b c	"		7	
8				E N E	"	3			30 21	83	78	75		"	"		7	
9				N E	"	4			30 24	84	79	76		"	"		6	
10				"	N E	4			30 24	86	80	77		b c p	"		6	
11				"	"	4			30 25	87	81	78		"	"		5	
Noon.				E by N	E N E	4			30 25	87	82	80		b c	Cu.		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Air.
Longitude by ° ′ ″ 80- 74-76

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1600 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 68 " 0006 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
P. M.																		
1	At anchor			East	East	4-5			30 24	90	82	77		b c	Cu.		5	
2				"	"	4			30 22	91	81	76		"	"		6	
3				"	"	4-5			30 20	87	81	76		"	"		6	
4				"	"	5			30 19	86	81	76		"	"		4	
5				"	"	4			30 18	85	80	76		"	"		5	
6				"	"	3			30 18	80	78	75		"	"		7	
7				"	"	3			30 18	80	77	74		"	"		7	
8				"	"	3			30 20	80	77	74		"	"		7	
9				"	"	3			30 21	80	76	73		"	Cu.		5	
10				"	"	3			30 21	80	76	73		"	"		5	
11				"	"	2-3			30 20	79	76	73		"	Cu.		6	
Mid.				"	"	3			30 20	78	76	73		"	"		5	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light passing showers first half. Gentle breeze from N. E. and E.N.E. Barometer falling slowly. Bright moonlight.

H. R. Baldwin
Ensign, USN.

4 to 8 A.M.

Cloudy and pleasant. Light passing showers first hour. Gentle E.N.E. breeze. Barometer rising slowly. Received on Pay Asst. the following fresh provisions for issue to crew:- 169 lbs. of bread, and 198 3/4 lbs. of beef. Moon set at 7:25. W. White (O.M.2c) rejoined on board 24 hours overtime.

Arthur Lee
Ensign, USN.

8 A.M. to Meridian.

Generally fair and pleasant with light passing showers at intervals. Moderate breeze from N. E. and E.N.E. Barometer rising slowly. At 8:00 hoisted sail to dry and furled it again about 9:20. At 9:30 mustered at quarters (No absentees) after which exercised boats under oars and sails. Serving out clothing and small stores. Exercised apprentices at 32 calibre target practice. At 8:15 about 8 1/2 fathoms lead the 20 lb. lead were found to be missing from drift lead over side.

W. J. Mahon
Ensign, USN.

Meridian to 4 P.M.

Clear and fine. Moderate to fresh breeze from East. Barometer falling. The Captain awarded punishment as follows:- W. White (O.M.2c) reduced to 4th Class for overstaying liberty 24 hours. Apprentices of 1st and 4th Divisions firing with 32 cal. rifle on poop. Finished issuing clothing and small stores.

H. R. Baldwin Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Moon rose over a hill about 7:15. Moderate falling to light breeze from East. Barometer about steady but rising slowly last hour. At 4:30 by order of the Commanding Officer released from confinement and restored to duty Wm. Zachary (Sea Ap.) and placed J. J. Quinlan (F.C.) in solitary confinement on bread and water for five days, for fighting. Continued target practice with 32 Cal. rifle until 5:55. Put on steaming covers. The English steamer "Iris" of Montreal came in and anchored at 5:00 about 300 yards to South eastward of this ship. Started fires under boiler "D" about 5:30.

W. J. Mahon
Ensign, USN.

8 P.M. to Midnight

Clear and fine. Light to gentle breeze from East. Barometer steady. Bright moonlight. At 11:00 the steamer left the Harbor.

H. R. Baldwin Ensign, USN.

Examined and found to be correct.

C. F. Leiper,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Fredericksted, Santa Cruz, W. I.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1	At anchor			E by N.	East	1			30 30	78	76	73		bc	Cu-Ca		6	
2				"	"	1			30 20	78	76	74		"	"		7	
3				"	"	2			30 18	78	77	74		"	"		7	
4				"	"	2			30 17	78	77	74		"	"		6	
5				East.	"	2			30 16	80	77	73		"	"		5	
6				"	"	2			30 17	80	77	73		"	"		5	
7				"	"	2			30 19	79	77	73		"	"		5	
8				"	"	2			3020	84	80	75		"	"		6	
9				"	"	3-4			3022	88	80	75		"	"		5	
10				"	"	3-4			3023	83	80	75		"	"		5	
11				"	"	3-4			3023	83	81	75		"	"		4	
Noon.				"	"	3-4			3022	84	81	75		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp. For. Aft.
Longitude by ° ′ ″ 80- 78-76

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by bearings 17° 58′ 00″ N.
Longitude by bearings 65° 00′ 00″ W.

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 56 " 886 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Forms.	CLOUDS. Amount, eastern.	State of the Sea.
P. M.																		
1				E by S.	E. S. E.	3			30 21	85	82	78		bc	Cu		3	
2				"	"	3			30 19	85	82	78		"	"		3	
3				S E by E.	"	3			30 18	85	83	79		"	"		3	
4				E. S. E.	"	3			30 18	85	82	78		"	"		3	
5			48.7	"	"	3			30 18	85	81	77		"	"		3	
6	2	4	51.1	N. N. W.	"	2			30 18	87	80	76		"	"		3	
7	6	6	57.6	"	"	3			30 18	82	79	76	79	"	"		4	S.
8	7	1	64.7	"	"	2			30 20	84	79	76	79	"	"		3	"
9	6	8	71.5	"	"	2			30 21	83	78	75	79	"	"		2	"
10	6	7	78.2	"	"	2			30 22	83	79	74	79	"	"		3	"
11	7	3	86.0	W by N. 3/4 W.	"	2			30 22	81	77	74	79	"	"		3	"
Mid.	7	1	93.1	"	"	2			30 21	82	77	74	79	"	"		3	"

under the command of Commander Frank Courtis , U. S. Navy,

Friday, February 16th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light airs to breezes from East. Bright moonlight.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Bright moonlight first two hours. Light breezes from East. Barometer rising slowly. The British steamer Cadiria came in and anchored at 6.15. Sent aboat [boat] for mail.

W. W. Gregory
Ensign, USN.

8 A.M. to Meridian.

Clear and pleasant. Gentle to moderate breeze from East. Barometer steady. At 8.40 the British steamer "Pedora" left the harbor and at 10 the American schooner "J. Tanner" from New York arrived and was boarded by an officer from this vessel. At 9.30 sounded to General Quarters. Divisions reported ready as follows:- 3rd 1½ minutes, 1st and 2nd 2 minutes, Powder and 4th 2½ minutes, Navigators 2½, 5th 5 minutes. Exercised and at 9.44 secured. All divisions secure in 3 minutes. At 10 called to company drill after which exercised Battalion. By order of the Captain, W. S. W. Martin (A.B.C.) was released from confinement and restored to duty, his term having expired. The Captain awarded punishments as follows:- L. G. Stink (A.B.C.) 5 days confinement on bread and water for returning from liberty drunk. E. D. Royal (A.B.C.) 24 hours extra duty for being absent from his station at fueling ship. R. L. Berry (A.B.C.) 2 hours extra duty for going in swimming without permission. W. J. Waley (A.B.C.) quarantined in next part for not answering boat C. D. Amphlett (A.B.C.), D. A. Moore (A.B.C.) and J. A. Bunch (A.B.C.) 4 hours extra duty for being slow at drill. C. V. Edolmige (A.B.C.) 4 hours extra duty for being disorderly at drill. Cleaned and disinfected bilges. Tested magazine flood and drain cocks and found them in good condition.

F. R. Baldwin Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Gentle E.S.E. ly breezes. At 12.30 lighted fires under boilers C and A for steaming purposes. Continued target practice with 22 cal rifles, 5th division firing. Made preparations for sea.

Ralph Earle,
Ensign, USN.

4 to 8 P.M.

Clear and fine. Light to gentle breeze from East. At 5.20 called all hands up anchor, and at 5.35 started ahead under steam on Boilers A and C. At 5.37 put over patent log reading 48.7 and at 5.40 set course N.N.W. (P.S.C.). Set fore and aft sail and at 6.45 set foresail. Moon rose at 7.01. Av revs 36.2. Av steam 47. Draft of ship forward 13-9", amidships 14-7", aft 16-6".

F. R. Baldwin Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Light E.S.E. ly breeze. Bright moonlight. At 8.25 sighted Culebrita Light bearing N.W. by N. At 9.15 changed course to N. by W. ¾ W. (P.S.C.) Log 73.2. At 9.30 sighted light on St. Thomas Island bearing N.E. ¼ N. Islands of Culebrita, on port hand, St. Thomas, Savana and Sail Rock in sight on stbd hand. At 11.35 Culebrita light was abeam, distant 4 miles. Under steam and sail as in previous watch, on course N by W. ¾ W. (P.S.C.) Log 93.1 at end of watch. Av steam 54. Av revs 38.6.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Frederikstead, Santa Cruz, to San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each mark.	State of the Sea.
A. M.																		
1	4	1	97.2	N. by W. 3/4 W.	E. S. E.	3			30.19	84	76	74	77	bc	Cu		1	S
2	6	7	6.7	W. N. W. 1/2 W.	"	3			30.19	86	76	74	77	"	"		1	"
3	7	0	13.7	"	"	4			30.19	87	76	74	77	"	"		2	"
4	5	2	18.9	"	"	3			30.19	87	76	74	77	"	"		2	"
5	6	0	24.9	"	"	2			30.19	88	76	74	77	"	"		2	"
6	6	1	31.0	"	"	2			30.20	87	76	74	77	"	"		2	"
7	7	7	38.7	W. 3/4 S.	"	2			30.21	85	76	74	77	"	"		2	"
8	5	3	43.9	W. S. W. 1/4 W.	"	2			30.21	85	76	74	77	"	"		2	"
9	6	4	49.3	"	S. E.	3			30.23	84	79	75	77	"	"		2	"
10	5	3	58.6	Various	"	2			30.24	84	80	76	-	"	"		3	—
11	At anchor.			South	S. S. E.	1			30.26	87	87	81	-	"	"		2	—
Noon.				E. N. E.	E. N. E.	4			30.24	85	83	78	-	"	"		1	—

Position at 8 A. M.: Latitude by ° ' "; Longitude by ° ' "

Mag. Temp. For. Aft. 81- 77-76

Position at noon: Latitude by observation ° ' "; Longitude by observation ° ' "; Latitude by D. R. ° ' "; Longitude by D. R. ° ' "

Course made good since preceding noon: Coasting.

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 103.9 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ' "; Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1700 "

Water remaining on hand fit for use at noon, 3000 "

Coal consumed during the preceding 24 hours, 9 tons, 840 lbs.

Coal remaining on hand at noon, 47 " 46 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, each mark.	State of the Sea.
P. M.	At anchor.																	
1				E. N. E.	E. N. E.	4			30.22	86	83	78		bc	Cu		2	
2				"	"	4			30.20	88	83	78		"	"		3	
3				"	"	4			30.19	88	85	82		"	"		3	
4				"	"	4			30.18	87	84	82		"	"		3	
5				E. S. E.	E. S. E.	4			30.17	82	84	79		"	"		3	
6				S. S. E.	S. E.	3			30.16	82	79	77		"	"		2	
7				S. E.	"	2			30.17	80	77	74		"	"		1	
8						1			30.17	82	77	74		"	"		1	
9				S. S. W.	Calm.	0			30.17	82	77	74		"	"		2	
10				West.	"	0			30.19	82	76	75		"	"		3	
11				"	"	0			30.19	80	76	75		"	"		4	
Mid.				"	"	0			30.18	81	75	75		"	"		4	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, February 17th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear fine weather. Gentle to light breeze from E.S.E. Barometer steady. At 12:37 changed course to W.N.W. 1/4 W. (P.S.C.). At 3:45 took in fore and aft head and at same time sighted Cape San Juan Light, bearing two points on bow. At 2:20 lost sight of Culebrita Id. light. At 2:37 Cape San Juan light was on bow, [illegible] log 10 1/2 and at 4:00 abeam [illegible] log 18.9. At 3:00 took in forecastle, and set it again at 3:45. Ship rolling easily to swell on stbd. quarter. Maximum 10° each way. Steaming. Av. steam 5-3. Av. revolutions 37.4.

W. Hinsdale
Ensign, USN.

4 to 8 A.M.

Clear and fine. Bright moonlight till sun rose at 6:30. Light breeze from E.S.E. Steaming along north coast of Puerto Rico. Boilers A. & C. Forecastle set. At 5:00 took in forecastle. Av. course W.N.W. 1/2 W. At 5:31 set clock ahead 20 minutes. At 6:57 changed course to W. 3/4 S. [illegible] log 34.7 and at 7:12 changed course to W.S.W. 1/4 W. [illegible] log 36.2. Av. steam 46. Av. revs 36.

W. C. Baldwin Ensign, USN.

8 A.M. to Meridian

Clear and pleasant. Gentle to light S.S.E. breeze first half, with light S.S.E. breeze third hour, and moderate E.N.E. breeze last hour. Standing along the Coast of Porto Rico on course W.S.W. 1/2 W. (P.S.C.) until 9:00, after that standing into the harbor of San Juan, the Captain and Navigator on bridge. Hauled in log at 9:55 reading 58.6. At 10:20 exchanged numbers with MS tug "Uncle". At 10:20 let go port anchor and veered to 15 fms., in 4 1/2 fms. of water, soft muddy bottom. Draft of ship for'd. 13-3, aft 16'. Bearings of anchorage all p.s.c.:- Morro Signal Station N. 30° W., Christobal Staff N. 5° E., cupola of jail N. 68° E., [illegible] ship's head S.S.E. 3/4 E. The health officer boarded the ship and granted pratique. The Captain called officially on the Commandant of the Naval Station. Now engaged in cleaning ship. Allowed fires under boilers "A" and "C" to die out, using boiler "D" for distilling.

Ragnvald Ekrem
Ensign, USN.

Meridian to 4 P.M.

Clear and pleasant. Moderate breeze from E.N.E. Barometer falling. French mail steamer "Olinde Rodrigues" came into port. Two schooners left. At 2:55 MSS. Uncle left port. The Captain left the ship at 3:30 to call officially on the Governor.

W. Hinsdale
Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Light airs to gentle breezes from S.E. and E.S.E. The Captain returned at 5:00 having called officially on the Governor of Porto Rico and the Colonel in command of the troops. The "Olinde Rodrigues" left harbor at 4:45.

Ragnvald Ekrem
Ensign, USN.

8 P.M. to Midnight.

Fair and calm. Barometer about steady. Moon rose at 9:00.

W. Hinsdale
Ensign, USN.

Examined and found to be correct.

C. F. Leiper
Lieut. Navigator.

4-365

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. at 0.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, as at 12.	State of the Sea.
A. M.																		
1	At anchor.			S.S.W.	S.S.W.	1			30.17	76	75	73		bc	Sc		2	
2				"	"	1			30.16	76	73	72		"	"		2	
3				S.W.	"	1			30.15	76	73	71		"	Cu		4	
4				"	"	1			30.14	76	73	71		"	"		2	
5				S. by W.	Calm	0			30.14	79	77	71		bcw	"		3	
6				S.S.W.	"	0			30.16	80	71	71		"	"		2	
7				S. by E	"	0			30.17	78	71	71		bc	"		2	
8				S.S.W.	"	0			30.18	77	75	72		"	"		1	
9				"	"	0			30.21	83	83	80		"	"		3	
10				S.W. by W.	"	0			30.24	89	87	83		"	"		3	
11				S.S.E.	S.E.	1			30.24	84	82	80		"	"		4	
Noon.				S.S.E.	S.S.E.	3			30.23	87	84	82		"	Cu		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp Aft
Longitude by ° ′ ″ For. 81– 78-77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 25-00 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 46 " 1086 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. at 0.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, as at 12.	State of the Sea.
P. M.																		
1	At anchor.			S.E. by S.	S.E. by S.	2			30.20	88	86	81		bc	Cu		5	
2				S.E.	S.E.	3			30.18	90	87	81		"	"		2	
3				"	"	3			30.16	88	88	81		"	"		3	
4				"	"	3			30.15	87	87	82		"	"		2	
5				"	"	3			30.15	89	88	82		"	"		3	
6				"	"	3			30.15	86	87	82		"	"		3	
7				"	"	3			30.16	82	80	80		"	"		3	
8				East.	East.	1			30.16	82	78	75		"	"		2	
9				N.E. by E.	"	1			30.17	79	77	76		br	Cme		0	
10				N.E. by E.	S.E.	1			30.18	80	77	75		bc	Cu		1	
11				South	"	1			30.18	78	76	74		"	"		1	
Mid.				S. by E	"	1			30.18	77	75	74		"	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, February 18th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light airs from S.S.W. Barometer falling slowly.
Bright moonlight.

W. H. Farmer
Ensign, USN

4 to 8 A.M.

Clear and pleasant Calm. Received in Pay Dept. 160 lbs of fresh bread, and 198 3/4 lbs. each of fresh meat and vegetables.

Ralph Earle,
Ensign, USN

8 A.M. to Meridian.

Fair and warm Calm and light airs to gentle breeze from S.E. and S.S.E. Barometer rising first hour, steady last three. At 9:30 mustered at quarters, No absentees. After muster the Captain inspected the ship and the crew at quarters. The Captain assigned the following punishments. R. Bruno (A.B.C.) Knocking paint off gun with a boat hook. 4 hours extra duty. C. Doherty (O.I.C.) Lying to Commanding Officer about check. Reduced to 2nd Class. P. G. Berry (A.B.C.) Throwing butter overboard gun deck. 4 hours extra duty. The Chaplain held Divine Service. A American steamer "Ponce" left the harbor, also a small American schooner.

W. H. Farmer
Ensign, USN

Meridian to 4 P.M.

Clear and pleasant. Light and gentle breezes from S.E. by S. and S.E. Barometer falling slowly. About 1:50 the USS. Wasp came into port and anchored.

W. H. Farmer
Ensign, USN

4 to 8 P.M.

Clear and pleasant. Gentle breeze from S.E. and light E. by S. airs. Barometer steady. Gen. Davis, USA., Governor General of Puerto Rico, called on the Captain and was received with the usual honors. Hoisted out steamd. Army Transport "Sheridan" came into port at 5:40.

[redacted]
Ensign, USN

8 P.M. to Midnight.

Clear and pleasant. Moon rose about 9:55. Light airs from East and S.E. Barometer rising slowly.

W. H. Farmer
Ensign, USN

Examined and found to be correct.

E. F. Lau[illegible]
Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movmt. from.	CLOUDS. Amount, eastwards.	State of the Sea.
A. M.																		
1	At anchor.			S.E.	S.E.	0-1			30/8	78	75	74		b.w.	Nmo.		0	
2				S.E.		0-1			30 18	78	75	74		"	"		0	
3					Calm.	0			30 16	78	75	74		"	"		0	
4				S.E.		0			30 16	78	70	74		"	"		0	
5					S.W.	1			30 16	76	70	67		b.w.	Cu.		2	
6				S.W.	"	1			30 17	78	68	67		"	Cu.		2	
7				S.W. by W.	"	1			30 20	78	68	67		bc.	"		2	
8				W. S.W.	"	1			3023	81	71	70		"	"		2	
9					Calm.	0			3026	83	75	72		"	"		3	
10				W. by N.		0			3029	83	80	75		"	Cu.		5	
11				N.N.E.	N.E.	0-1			3029	82	81	75		"	"		6	
Noon.				"	"	0-1			3029	87	84	80		"	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft
Longitude by ° ′ ″ 80— 77-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 1200 lbs.

Coal remaining on hand at noon, 45 " 2126 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movmt. from.	CLOUDS. Amount, eastwards.	State of the Sea.
P. M.																		
1	At anchor.			N. by E.	N.N.E.	1			30 27	87	85	81		bc.	Cu.		4	
2				"	"	2			3025	89	85	80		"	"		4	
3				N.N.E.	"	2			3022	86	82	79		"	"		3	
4				N.E.	N.E.	1			3021	84	80	79		"	"		2	
5				N.E. by E.	N.E. by E.	2			3022	84	82	78		"	"		1	
6				N.N.E.	N.E.	2			3022	82	80	76		"	"		1	
7				"	"	2			3022	80	78	74		"	"		1	
8				"	"	1			3024	81	77	76		"	"		1	
9				E. by N.	E.N.E.	1			3026	80	77	74		b	Nme		0	
10				N. by E.	N.E.	2			3026	80	77	74		bc.	Cu.		3	
11				N.N.E.	"	2			3026	80	77	75		b.w.	"		5	
Mid.				"	"	2			3027	81	77	75		"	"		5	

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Monday, February 19th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear. Calm with light airs from S.E. and S.S.E. Bright moonlight.

J. R. Belvin Ensign, USN

4 to 8 A.M.

Clear and pleasant. Light S.W. airs. Barometer rising. At 7 sent firing party ashore. Received on Pay Dept following fresh provisions:- 160 lbs of bread, and 198 3/4 lbs each of beef and vegetables. USS Uncas got underway at 7:30. Coasting steamer came into port.

Ensign, USN.

8 A.M. to Meridian

Clear and pleasant. Calm and light airs from N. E. Barometer rising slowly. At 9:30 mustered at quarters (no absentees) after which the divisions were drilled as per routine, except 1st and 5th divisions which were ashore all the watch in firing party. By order of the Commanding Officer at 8:45 released from confinement and restored to duty. D. Donovan (A.S.C.), H. O. Ickler (A.S.C.), and J. J. Quinlan (1st I.C.). About 10 the Commandant of the Naval Station returned the call of the Commanding Officer of this vessel. Punishments awarded by the Commanding Officer:- A. B. Cooper (M.A.A.), disobedience of orders - 5 days solitary confinement on bread and water; J. A. Bunch (A.S.C.), standing at bridge door on berth deck smoking a cigarette - 3 days confinement on bread and water; J. Gray (A.S.C.), using profane language on upper deck - quarantined at this port; J. H. Potter (A.S.C.) and J. F. Donovan (A.S.C.), disobeying orders of Coxswain while in boat - 5 days in double irons; B. F. Snyder (A.S.C.), disregard of orders, - reduced to 3rd Conduct Class; D. Macfeat (A.S.C.), insolent to the Chief Gunners Mate - 4 hours extra duty.

W. J. Manion Ensign, USN

Meridian to 4 P.M.

Clear and warm. Light airs to light breezes from N. N. E. and N. E. At 1:30 sent the 2d and 3rd Divisions in charge of Ens. W. S. Turpin, USN, and Ens. W. J. Manion, USN, ashore for target practice, and the 1st and 5th Divisions returned aboard at 2:30. C. F. Reiff (A.S.C.) and Jos. Mullen (A.S.C.) absented themselves from the firing party without permission and did not return with the party. At 3:45 Colonel De Russe, U.S.A., Commanding the 11th Infantry, called officially on the Captain.

J. R. Belvin Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Light breezes and airs from N. E. by E. and N. E. Barometer rising slowly. About 6:00 the USS Uncas came in and anchored. Firing party (2nd and 3rd Divisions) returned about 6:00.

W. J. Manion Ensign, USN.

8 P.M. to Midnight

Clear and fine. Light airs to light breezes from N. E. to E. N. E. Moon rose about 10:45.

J. R. Belvin Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Lieut Navigator.

4-005

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movting. form.	CLOUDS. Amount, sakes'ds.	State of the Sea.
A. M.																		
1	At anchor			E. N. E.	E. N. E.	1			30 25	78	77	76		hc	Cu Sh		5	
2				S. S. W.	S. S. W.	1			30 23	77	76	75		bsq	"		6	
3					South	1			30 21	76	75	74		bs	"		5	
4				S. W.	W. S. W.	1			30 21	77	74	73		"	"		6	
5				South	Calm.	0			30 21	79	79	79		oc	"		10	
6					"	0			3023	79	78	73		bsq	"		9	
7				S. E. by S.		0			30 25	80	74	73		bs	Cu		8	
8				S. W.	S. W.	1			30 27	80	76	74		"	"		6	
9					Calm.	0			30 29	84	79	76		"	Cu		5	
10				E. N. E.	E. N. E.	3			30 31	84	81	77		"	"		6	
11				"	"	3			30 31	84	87	76		"	"		4	
Noon.				"	"	3			30 30	84	82	77		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ For. Aft
51- 79 78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1350 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 46 " 1586 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Movting. form.	CLOUDS. Amount, sakes'ds.	State of the Sea.
P. M.	At anchor																	
1				E. by N.	E. by N.	2			30 28	84	82	77		hc	Cu Cu		4	
2				N. E. by E.	"	2			30 26	84	83	78		"	"		5	
3				"	"	3			30 26	84	83	78		"	"		6	
4				"	"	3			30 26	81	88	77		"	Cu		4	
5				"	N. E.	3			30 26	80	87	75		"	"		3	
6				N. E.	"	3			30 27	78	77	74		"	"		3	
7				E. N. E.	"	3			30 28	79	77	74		"	Cu. N.		5	
8				"	"	3			30 28	80	77	74		"	Cu		4	
9				"	"	2			30 30	81	78	75		bsp	Cu. N.		6	
10				"	"	2			30 30	82	78	75		bs	"		6	
11				N. E.	"	2			30 30	81	78	75		"	"		6	
Mid.				"	"	2			30 30	81	77	75		"	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 20th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to fair and pleasant. Light variable airs. Moonlight.

Ralph D. Earle
Ensign, USN

4 to 8 A.M.

Overcast and cloudy with light passing showers first part, and generally bright moonlight; clear and pleasant afterwards. Calm and light airs from E.N.E. Barometer rising slowly. Received in the Department of Supplies and Accounts, the following fresh provisions:- 160 lbs. bread, 198½ lbs meat, and 198½ lbs vegetables. The MS. Tug "Slocum" left the harbor about 6:40 and the MS Transport "Mc Clellan" came in and anchored about 7:10. At 6:50 sent ashore firing party, consisting of 2nd and 4th divisions.

W. H. Mamon
Ensign, USN

8 A.M. to Meridian.

Fair and warm. Calm first hour, gentle S.W. & W. breeze. At 9:30 inspected at quarters. Absent without leave C.D. Mullon (App. 3 C) and C.F. Piff (App. 3 C). A reward of $10 each was offered on shore for the delivery of the above named apprentices. Exercised as per routine. The 2d division of Apprentices returned on board from target practice. The Commander awarded the following punishments:- E.A. Royal (App. 3 C) disobedience of orders and grossly insolent to the Officer of the Deck, 10 days confinement in double irons; C.A. Mc Cann (App. 3 C), for using vulgar language to a quartermaster, 5 days confinement in double irons.

C. McFaks
Lieut, USN.

Meridian to 4 P.M.

Fair and pleasant. Light to gentle S. by W. & W. breezes. At 10:30 sent ashore the 3rd Division to target practice. At 1:30 the MS. Collier "Caesar" came in and anchored to S.S.E.½E of this ship. At 1:20 the 4th Division returned from target practice, and the 3rd returned at 3:15. Exercised 5th Division at heaving the lead and instructed them in compass. MS. coast survey steamer "Blake" came in at 2:50. Steamer "Porto Rico" came in at 3:30. Signals at 1:10. Caesar to Essex, Comet 118, and Inter. 131; Essex to Caesar, Comet 168, and affirmative.

Ralph D. Earle
Ensign, USN.

4 to 8 P.M.

Clear and fine. Gentle breezes from N.E. A Spanish steamer left the harbor at 6:40. A Committee of Officers from the 11th Infantry called officially on the Captain and Ward Room. Sent liberty party of men ashore.

T. C. Baldwin
Ensign, USN.

8 P.M. to Midnight.

Cloudy and pleasant with a heavy rain shower first hour. Light to gentle N.E. & E. breezes. Moon rose at 11:48.

Ralph D. Earle
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, as a to b.	State of the Sea.
A. M.																		
1	At anchor.			N. E.	N. E.	4			29.29	79	76	74		bc	Cu. N.		7	
2				"	"	4			30.27	77	76	74		"	"		8	
3				"	"	4-5			30.25	77	75	74		bcpg.	"		8	
4				E. by N.	E. N. E.	4			30.25	78	75	75		bcp.	"		7	
5				East	"	4			30.23	77	76	75		"	"		7	
6				E. N. E.	"	5			30.23	88	76	75		"	"		7	
7				N. E.	"	5			30.27	84	76	75		bc	"		7	
8				N. E. by E.	"	6			30.31	89	78	75		"	"		7	
9				"	"	4-5			30.33	88	78	76		bcp	"		8	
10				"	"	4			30.33	85	78	76		"	"		6	
11				E. N. E.	"	4			30.33	86	80	77		"	"		6	
Noon.				"	"	4			30.32	96	82	79		bc	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. Aft.

Position at noon: { Latitude by observation ° ′ ″ 80 — 78-77
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 900 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 44 " 1966 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving from.	Amount, as a to b.	State of the Sea.
P. M.																		
1	At anchor.			E. N. E.	E. N. E.	5			30.29	88	81	78		bc	Cu.		5	
2				"	"	5			30.27	87	82	79		"	"		4	
3				East	East	4-5			30.25	86	83	78		"	"		3	
4				"	"	4-5			30.23	86	83	77		"	"		3	
5				"	"	4-5			30.24	85	83	78		"	Cu.		3	
6				"	"	4			30.24	82	81	77		"	"		3	
7				"	"	3			30.25	82	78	75		"	Cu. Cu.		4	
8				"	"	3			30.25	82	78	75		"	"		3	
9				"	"	3			30.25	79	77	75		"	Cu.		1	
10				S. E.	S. E.	2			30.25	78	76	75		"	Cu. N.		2	
11				South	South	2			30.26	78	75	74		"	"		2	
Mid.				S. S. W.	S. S. E.	2			30.26	77	75	74		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 21st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally fair. Moderate to stiff breeze from N. E. to E.N.E. Several heavy rain squalls passed during latter half.

C. M. Fahs
Lieut., U.S.N.

4 to 8. A.M.

Fair. Rain squalls passing over first half. Moderate to stiff breeze from E.N.E. Received on Pay Dept. for issue 160 lbs bread, 1983 lbs each of meat and vegetables. At 5:20 lighted fires in Boiler B for distilling.

R. L. Calvin
Ensign, U.S.N.

8. A.M. to Meridian.

Cloudy to pleasant with passing rain showers first hours. Moderate E.N.E. to E. breezes. At 8:30 began distilling. At 9:30 mustered at quarters, absentees:- C. F. Reiff, C. D. Mullen, and R. D. Berry, Ap. S.C. Held routine divisional drills. Sent working party ashore at 8:45 for stores in Pay Dept. and engaged in receiving stores on board, last boat alongside at 12. Paid monthly money to the apprentices. C. F. Reiff and C. D. Mullen, Ap. S.C., having been absent without leave, were brought on board at 10:45 by two of the Porto Rican police and the reward offered for their return on board was paid. By order of the Commanding Officer placed C. F. Reiff and C. D. Mullen, Ap. S.C., in double irons to await trial by a Summary Court Martial; and released L. B. Stitt, Ap. S.C. from confinement, his term having expired. The following punishments were assigned by the Commanding Officer:- L. C. Placet, Ap. S.C., ~~continuing~~ spitting on deck, 3d Class; J. J. Trimble, Ap. S.C. Carelessness in leaving haversack lying about decks, 4 hours extra duty; A. Robinson and J. A. Foley, Ap. S.C., out of uniform, 4 hours extra duty; and A. Robinson Ap. S.C., lying, 3d Class. 11 A.M. Transport "McClellan" left harbor at 10:35.

Ralph Earle
Ensign, U.S.N.

Meridian to 4. P.M.

Fair and warm. Stiff breeze from E.N.E. to East. Finished taking on board Paymaster's stores. Hoisted steam launch and sailing launch.

C. M. Fahs
Lieut., U.S.N.

4. to 8. P.M.

Fair and pleasant. Stiff to gentle East'ly breeze. Sent down royal yards at 5:45.

Ralph Earle
Ensign, U.S.N.

8. P.M. to Midnight.

Fair and pleasant. Gentle and light breezes from East to South.

C. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieut. Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	At anchor			S.S.E.	East	1			30.24	77	75	75		b.c.	C.-C.		1	
2				East.	"	1			30.24	77	75	75		"	"		1	
3				"	"	1			30.20	77	75	75		"	"		3	
4				"	"	1			30.19	78	76	75		"	"		4	
5				S.E.	E.N.E.	1			30.18	78	75	74		"	"		2	
6				E.N.E.		1			30.19	76	75	74		"	S.-C.		3	
7				S.E. by E.	S.E.	1			30.19	75	74	73		"	"		4	
8				E.N.E.	E.N.E.	2			30.21	77	75	74		"	C.		3	
9				"	"	3			30.22	80	78	75		"	"		4	
10				"	"	3			30.25	82	80	76		"	"		5	
11				N.E.	East	3			30.26	84	82	80		"	"		5	
Noon.				"	E.N.E.	3-4			30.26	86	84	80		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. Dep.
Longitude by ° ′ ″ For 80 — Aft 79-77

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1650 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 18 " 6 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	At anchor			S.E. by S.	S.E.	3			30.25	87	85	80		b.c.	C.-C.		4	
2				"	"	4			30.23	87	85	80		"	"		3	
3				S.E.	"	4			30.20	89	87	82		"	"		3	
4				S.E.	"	4			30.19	87	87	82		"	"		3	
5				S.E.	"	3			30.18	87	87	83		"	"		2	
6				"	"	3			30.18	87	84	80		"	"		1	
7				S.E.	S.E.	2			30.19	82	80	76		"	"		1	
8				S.E.	S.E.	1			30.21	83	79	77		"	"		1	
9				S.E. by S.	"	1			30.23	83	78	77		b.c.w.	C.		1	
10				"	Calm.	0			30.23	81	77	77		b.c.w.	None		0	
11				"	"	0			30.23	80	77	76		"	"		0	
Mid.				"	"	0			30.23	79	77	76		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, February 22nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant. Light airs from East. Barometer falling. Moon rose at 12:20.

Chas. Buell
Ensign, USN.

4 to 8 AM.

Fair and pleasant. Light E.N.E. to S.E. by airs and breezes. At 8:00 dressed ship in honor of the anniversary of the birthday of George Washington. Received on Pay Abstr. 160 lbs fresh bread, and 1983 lbs fresh vegetables. Army tug "Slocum" came in at 7:30.

Ralph D. Earle,
Ensign, USN.

8 AM to Meridian.

Fair and warm. Gentle to moderate breezes from E.N.E. to E.S.E. By order of the Commander released J. A. Buell (App. S.C.) from confinement and restored him to duty. At 9:30 inspected at quarters. Sent a liberty party of apprentices on shore. At noon commenced to fire a national salute in honor of the day, but had to discontinue it after the 12th gun, as the firing pins of both the saluting guns became disabled. Delivered a copy of S.C.M. specifications to C.D. Hamilton (App. S.C.) and C.G. Pfeiff (App. S.C.) at 11:45.

C. McFarland
Lieut, USN.

Meridian to 4 PM.

Clear and pleasant. Gentle to moderate S.E. breeze. Barometer falling. An American schooner came into port about 1:30.

Chas. Buell
Ensign, USN.

4 to 8 PM.

Fair and pleasant. Gentle to light breezes from S.E. and S.S.E. Made preparations for coaling ship. At 6:30 a coal lighter came alongside. At sundown undressed ship.

C. McFarland
Lieut, USN.

8 PM to Midnight.

Clear and pleasant. Light S.E. by airs and calm.

Ralph D. Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Lieut-Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	At anchor.			West	Calm.	0			30 20	78	76	75		b.c.w.	Cu.		2	
2				"	West	1			30 18	76	74	73		"	"		3	
3				S.E.	Variable	1			30 17	76	74	73		b.c.f.	A.m.		6	
4				South	Calm.	0			30 16	75	74	73		b.c.w.	"		5	
5				"	Calm.	0			30 16	77	74	73		"	S.cu.		4	
6				S.E.	"	0			30 18	78	74	73		"	"		6	
7				"	S.E.	1			30 19	77	74	73		b.c.	A.cu.		6	
8				S.S.E.	"	1			30 21	79	75	74		"	"		6	
9				"		1			30 26	82	80	77		"	Cu.N.		8	
10				S.S.E.	S.S.E.	1			30 27	82	79	77		"	"		9	
11				"		3			30 27	85	81	77		"	"		5	
Noon.				"	South	3			30 26	86	81	76		"	"		9	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 80 — 77 76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 560 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 26500 "

Coal consumed during the preceding 24 hours, 1 tons, 160 lbs.

Coal remaining on hand at noon, 122 " 585 "

P. M.	At anchor.																	
1				S by E.	S.S.E.	3			30 26	87	82	77		b.c.	A.N.		6	
2				"	"	3			30 24	87	82	77		"	"		5	
3				S.E.	S.E.	3			30 21	88	84	81		"	Cu.		4	
4				S.S.E.	S.S.E.	3			30 20	87	83	81		"	"		5	
5				"	"	3			30 19	86	81	80		"	"		4	
6				"	"	3			30 19	82	79	77		"	"		6	
7				S.E.	S.E.	2			30 19	81	78	76		"	Cu.N.		7	
8				S.S.E.	"	2			30 19	82	79	77		"	"		5	
9				S.S.E.	S.S.E.	2			30 22	82	77	77		"	"		4	
10				S.W.B.S.	East	1			30 25	81	77	77		"	Cu.		3	
11				"	"	2			30 25	80	77	76		"	"		2	
Mid.				South	S.S.E.	2			30 25	80	77	76		Clear	None		0	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, February 23rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Moon rose about 1:15. Calms and light variable westerly airs. Barometer falling slowly. At 3:05 shut down distiller, tanks being full, and let fires die out.

W. J. Manion
Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Calm first part. Light S.E. airs latter part. Received in Pay Dept. for the crew fresh provisions as follows:- 160 lbs of bread, 198¾ lbs. vegetables, and 198¾ lbs beef. At 5:00 commenced coaling ship.

C. M. Fahs
Lieut, USN.

8 A.M. to Meridian

Cloudy and pleasant. Light airs to gentle breezes from S.E. to South. Barometer rising slightly. Coaling ship as before. At 10:30 receiving in all 80 tons 0 cwt of coal. Absent over leave A. L. Browne (Mach.) USN. Vessel left at 8:15. Army transport "Sheridan" left at 11:05. US Mail steamer "San Juan" came into port at 11:50. At 1 P.M. a Summary Court Martial met, and adjourned at 11:15 P.M. to await action of convening authority. Cleaning ship after coaling. Received on board 2 cases of Smallpox vaccine. Employed during latter part of watch.

Ensign, USN.

Meridian to 4 P.M.

Clear and pleasant. Gentle breezes from S.S.E., S.E., and E.S.E. Barometer falling slowly. About 1:00 loosed sail; loosed boat sails. The Chief Gunner's Mate reported having made weekly test of magazine flood and drain cocks and found them in good condition. Cleaned and disinfected bilges. About 3:30 the US Coast Survey steamer "Blake" left the harbor. Sounded the call to "fire quarters" at 3:49. The Divisions reported ready as follows:- 4th, ½ minute; Powder, 1 minute; 3rd, 1½ minutes; 1st, 2; 2d and 5th, 2½; Navigators, 2½. All Divisions secured in 4 minutes. Furled all sail about 4:00.

W. J. Manion
Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Gentle to light breeze from S.S.E. to S.S. Barometer steady.

Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant, heavy dew last hour. Light airs and breezes from E.S.E., East, and S.S.E. Barometer rising slowly.

W. J. Manion
Ensign, USN.

Examined and found to be correct.

E. F. Lenfest
Lieut. Navigator.

4-865

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 6.	State of the Sea.
A. M.																		
1				At anchor South	S.S.E.	1			30.33	79	76	75		bar.	Cu.		4	
2				"	"	1			30.31	78	75	75		"	"		4	
3				"	"	1			30.30	78	75	75		"	"		4	
4				"	"	1			30.30	78	75	75		"	"		4	
5				S.E. by S.	S.S.	1			30.29	78	74	74		"	"		4	
6				"	"	1			30.29	78	74	74		"	"		2	
7				S.E.	"	1			30.24	81	75	74		bo.	Cu.		2	
8				"	"	1			30.26	81	76	74		"	"		2	
9				E. by N.	East	1			30.28	84	81	78		"	"		3	
10				"	"	3			30.30	86	82	78		"	Cu. N.		5	
11				"	E.N.E.	4			30.29	86	84	78		"	"		5	
Noon.				E.N.E.	"	4			30.27	86	84	78		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Amp.
Longitude by ° ′ ″ Fort Adj.

Position at noon: { Latitude by observation ° ′ ″ 80 - 79-78
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 65-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 121 " 2225 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Hoel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0 to 6.	State of the Sea.
P. M.				At anchor														
1				E.N.E.	E.N.E.	4			30.24	86	82	77		bo.	Cu.		3	
2				"	"	4			30.20	86	82	78		"	"		4	
3				"	"	3			30.19	85	82	78		"	"		3	
4				"	"	4			30.19	85	82	78		"	"		3	
5				"	"	4			30.18	85	82	78		"	"		3	
6				"	"	4			30.18	83	79	76		"	"		3	
7				E.S.E.	East	3			30.18	81	78	75		"	"		3	
8				East		2			30.18	81	77	75		"	"		2	
9				E.S.E.	E.S.E.	1			30.19	80	76	74		bo.	Rain		0	
10				"	"	1			30.19	79	74	73		"	"		0	
11				"	"	1			30.19	78	74	73		"	"		0	
Mid.				S.E.	"	1			30.19	78	73	72		bo.	Cu.		1	

4—2 5

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, February 24th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Moon rose about 2:30. Light airs from S.S.E. Barometer falling slowly.

H. C. Baldwin Ensign, USN

4 to 8 A.M.

Fair and pleasant. Light S.E. airs. Barometer rising slightly. Schooner came into port at 4:50. Received on Pay Dept. following fresh provisions:- 160 lbs of bread and 25 lbs. each of beef and vegetables.

Ensign, USN

8 A.M. to Meridian.

Clear and pleasant. Light airs and gentle breezes from East increasing to moderate breeze from E.N.E. Barometer rising first part then falling slowly. Finished general cleaning. At 9:00 by order of the Commanding Officer released from confinement and restored to duty A. B. Cobper (Mess Attendant), J. F. Stéman (A.S.C.), and J. al Pettet (A.S.C.). Rewards were offered of $10 each for Albert Conelley (O.C.S.C.) and Albert L. Browne (Mach. I.C.) to be delivered on board not later than 8 A.M. Sunday February 25th, 1900. About 10:45 A. L. Browne (Mach. I.C.) returned on board 27½ hours over liberty. About 10:45 mustered at quarters (absentee, over leave, A. Conelley (O.C.S.C.). Aired bedding from 10:50 to 11:50. Punishments awarded by the Commanding Officer:- W. A. Haines (A.S.C.) and J. Whelan (A.S.C.), direct disobedience of orders 3 days solitary confinement on bread and water; W. Dowling (A.S.C.), 2 hours over leave - quarantined in Hatona; A. L. Browne (Mach. I.C.), 27½ hours over leave - reduced to the 4th Conduct class.

W. J. Mannix Ensign, USN

Meridian to 4 P.M.

Clear and fine. Gentle to moderate breeze from E.N.E. At 1:15 the U.S.S. Uncas attempted to come along port side to give us fresh water. Did not ranmed #6 gun, after which she gave up the attempt. #6 gun is #1146-4 U.S.N. The training rack was cracked in several places, the top carriage spread about ¼ inch and the muzzle defaced. Injured also the after samson post of the sailing launch. Making preparations for sea. At 1:30 crossed royal yards.

H. C. Baldwin Ensign, USN.

4 to 8 P.M.

Clear and pleasant. Moderate breeze from E.N.E. decreasing to gentle and light breezes from East. Barometer steady. T. Murger (A.S.C.) left the 4th Cutter on the seven o'clock trip ashore without permission, he being one of the crew of the cutter. A. Conelley (O.C.S.C.) returned on board about 7:30 being 13½ hours over liberty.

W. J. Mannix Ensign, USN

8 P.M. to Midnight

Clear and fine. Bright starlight. Barometer steady. Light airs from E.S.E.

H. C. Baldwin Ensign, USN.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, San Juan, Puerto Rico

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1				S.W. by W.	E. S. E.	1			30.19	77	73	73		b.w.	nme		0	
2				W. by S.	Calm.	0			30.17	77	73	73		"	"		0	
3				"	"	0			30.15	77	73	73		b.c.	Cu.		3	
4				"	S.W.	1			30.15	77	73	73		b.c.	"		4	
5				"	Calm.	0			30.14	75	73	73		b.w.	"		5	
6				W. S.W.	"	0			30.14	76	72	73		"	"		5	
7				S.S.W.	"	0			30.16	77	72	71		b.c.	Cu.		6	
8				"	"	0			30.17	79	76	74		"	"		4	
9			52.6	North	"	0			30.23	86	80	80		"	"		5	
10	6	0	53.6 56.7	N.W. by W. 3/4 W.	S.E.	2			30.29	86	80	80	78	"	Cu. Cu.		5	S.
11	6	5	63.2	"	"	23			30.24	86	82	81	79	"	"		5	"
Noon.	5	4	68.6	"	E. by N.	3			30.22	87	83	81	79	"	"		5	"

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. For. Aft 80-78

Position at noon: { Latitude by observation 18° 35' 00" N. / Longitude by observation 66° 22' 15" W. / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 16.0 miles.

Distance by Log since preceding noon: 16.0 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by D.R. 18° 46' 06" N. / Longitude by Obs. 66° 56' 00" W.

Variation of compass: from chart 1° 00' W. by

Error of compass observed at 4:12 4° 20' W. by

Deviation of compass on N.W. by W. 3/4 W. 3° 20' W. by

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours — "

Water remaining on hand fit for use at noon, 1450 "

Coal consumed during the preceding 24 hours, 2 tons, 920 lbs.

Coal remaining on hand at noon, 119 " 735 "

P. M.																		
1	7	0	75.6	N.W. by W. 3/4 W.	E. by N.	3			30.16	85	83	81	79	b.c.	Cu. Cu.		4	S.
2	5	2	80.8	"	"	4			30.14	85	82	79	79	"	"		3	"
3	3	6	84.4	"	"	3			30.13	85	82	79	79	"	Cu.		2	"
4	3	8	88.2	"	"	3			30.13	84	82	80	79	"	"		2	"
5	1	2	89.4	"	"	1			30.13	84	82	80	79	"	"		2	"
6	4	7	94.1	"	N. N. W.	2			30.13	84	81	79	79	"	"		3	"
7	4	6	98.7	"	"	2			30.14	83	80	78	79	"	"		4	"
8	5	0	3.7	"	"	3			30.15	82	79	76	79	"	"		3	"
9	5	5	9.2	"	"	2			30.17	81	78	76	79	"	"		1	"
10	6	0	15.2	"	North	2			30.18	80	78	76	79	"	"		2	"
11	6	1	21.3	"	"	2			30.18	80	78	76	79	"	"		2	"
Mid.	5	4	26.7	"	"	2			30.17	80	78	77	79	b.w.	"		1	"

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Sunday, February 25th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant with light rain third hour. Calms and light variable airs. Moon rose at 3:52 a.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Clear and pleasant with heavy dew first part. Calm. Barometer rising slowly. At 4:00 started fires under boilers "A and B". About 7:00 the USS Oneas got underway and went alongside the "Caesar." The steamer "San Juan" left harbor about 7:00 and the steamer "Caracas" (carrying mail flag) came in and anchored about 7:30.

W. F. Mazour,
Ensign, USN.

8 A.M. to Meridian

Clear and warm. Calm to gentle breeze from S.E. to E. by N. At 8:45 called "all hands up anchor" and got underway under steam, standing out of San Juan Harbor. At 9:30 mustered at quarters: absent with leave, T. Thayer (A.S.C.). Set topsail and jib. At 9:45 held divine service. At 11:00 called all hands and made sail to royals except flying jib, and fore topmast staysail, taking in topsail. At 11:40 uncoupled propeller and proceeded under sail. Set fore and main topmast staysails, topsail and spanker. Commenced distilling at 11. The Captain awarded punishments as follows:- J. Macfeat (A.S.C.), one weeks extra duty for continued shirking while on messenger watch. W. F. King (A.S.C.), one weeks extra duty for continually neglecting to clean bright work. A. Cnelley (S.C.&E.C.), Reduced to 3rd Class for losing 1½ hours liberty. At 9:20 put over patent log reading 52.0. Morro Point bearing E.S.E. (P.C.) distant ¼ mile, Ships head North. At 9:30 set Equrc N.W. by W. ¾ W. by patent log 53.6. Ships draft forward 14'-3", amidships 15', aft 16'-9". Steam 50. Revs 36.5.

C. R. Calvin
Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Moderate to gentle E. by N. by breezes. Barometer falling. At 12:35 set deck clock back 40 minutes. A schooner in sight on starboard quarter bound South until 1:00. At 1:30 sighted USS New York bound West, she passed to Nd. of this vessel and exchanged numbers at 1:15. Coast of Puerto Rico in sight on port beam. By order of the Commanding Officer released C.H. Mullen and C.F. Reiff, A.S.C., from confinement and made them prisoners at large awaiting sentence of Summary Court Martial. Under all sail on course N.W. by W. ¾ W. (P.S.C.) log 88.2 at end of watch.

Ralph Earle,
Ensign, USN.

4 to 6 P.M.

Fair and pleasant. Light E. by N. airs and N.N.W. breezes. Barometer steady. At 4:50 coupled up engines and went ahead one bell. At 5 called all hands and took in and furled sail. At end of watch steaming with land in sight on port hand. Course N.W. by W. ¾ W. (P.S.C.). Average steam pressure 40. Revolutions 78. Ship rolling slightly to sea on stbd. quarter. Max. 15° to port and 10° to stbd.

W. F. Mazour
Ensign USN.

6 to 8 P.M.

Fair and pleasant. Light and gentle breezes from N.N.W. Barometer rising slowly. At 6:05 set jib, and at 6:20 fore and main topmast staysails, and main topsail. Under this sail and steam on course N.W. by W. ¾ W. (P.S.C.). Ship about steady. Steamer's white light in sight on port quarter during first hour. Average steam pressure 39 lbs., average revolutions 78.8.

W. F. Mazour
Ensign, USN.

8 P.M. to Midnight

Clear and pleasant. Hazy around horizon. Light breeze from N.N.W. and North. On course N.W. by W. ¾ W. under steam and sail, jib, fore and main topmast staysails, and topsail. Barometer steady. Boilers A and B. Average steam 39.8. Average revs. 33.0. Stopped distilling at 8:30.

C. R. Calvin
Ensign, USN.

Examined and found to be correct.

F. F. Leyser
Fourth Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd **Rate,**

Making passage from San Juan, Puerto Rico, to Guantanamo, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, subtenths.	State of the Sea.
A. M.																		
1	6	1	32.8	N.W. by W. 3/4 W.	Calm	0			30.16	79	78	77	78	be	Cu		1	S
2	5	3	38.1	"	"	0			30.14	79	78	77	78	"	"		1	"
3	6	2	44.3	"	"	0			30.13	79	78	77	78	"	"		1	"
4	5	7	50.0	"	"	0			30.13	79	78	77	78	"	"		1	"
5	5	6	55.6	"	South	0-1			30.13	80	78	77	78	"	Ci.		1	"
6	5	6	61.2	"	S.E.	0-1			30.16	81	77	76	78	"	S-Cu		2	"
7	5	7	66.9	"	"	0-1			30.18	82	77	76	78	"	"		2	"
8	5	9	72.2	"	"	0-1			30.21	83	78	76	78	"	"		2	"
9	5	6	77.8	"	E.S.E.	1			30.23	87	84	80	79	"	Cu.		2	"
10	5	6	83.4	"	"	1			30.26	87	87	82	79	"	"		2	"
11	5	7	89.1	"	"	1			30.26	84	80	81	79	"	"		2	"
Noon.	6	6	95.7	"	"	1			30.25	91	89	84	79	"	"		1	"

Position at 8 A. M.: Latitude by DR — 19° 09' 00" N. Mag. Temp.
Longitude by Obs — 67° 59' 22" W. For. Aft.
Position at noon: Latitude by observation — 19° 11' 00" N. 82- 79-78.
Longitude by observation — 68° 25' 00" W.
Latitude by D. R. — 19° 17' 00" N.
Longitude by D. R. — 68° 25' 00" W.
Course made good since preceding noon: N. 79° W.
Distance made good since preceding noon: 123 miles.
Distance by Log since preceding noon: 127.1 miles.
Current per hour: 0.25 miles, set South true.
Position at 8 P. M.: Latitude by bearings — 19° 31' 00" N.
Longitude by bearings — 69° 13' 00" W.
Variation of compass: from chart. — 00° 03' W. by
Error of compass observed at 5:05 — 3° 28' W. by
Deviation of compass on N.W. by W. 3/4 W. — 3° 31' W. by
Water expended during the preceding 24 hours, — 550 gallons.
Water distilled during the preceding 24 hours, — 400 "
Water remaining on hand fit for use at noon, — 13000 "
Coal consumed during the preceding 24 hours, — 7 tons, 1520 lbs.
Coal remaining on hand at noon, — 111 " 2025 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, subtenths.	State of the Sea.
P. M.																		
1	5	6	1.3	N.W. by W. 3/4 W.	S.E.	1			30.23	93	87	84	79	be	Cu-Cu		3	S
2	6	4	7.7	"	"	1			30.20	89	87	84	79	"	"		3	"
3	6	1	13.8	"	"	2			30.19	89	87	83	79	"	"		3	"
4	6	2	20.0	"	"	2			30.19	88	83	80	79	"	"		3	"
5	6	0	26.0	"	East	2			30.19	86	83	80	79	"	"		3	"
6	6	5	32.5	"	"	3			30.20	83	80	79	79	"	"		4	"
7	4	3	36.8	N.W. by W.	E. by N.	3			30.19	80	79	76	79	"	Cu.		1	"
8	2	6	39.4	"	E.N.E.	3			30.21	80	78	76	79	"	"		2	"
9	6	9	46.3	"	"	3			30.23	80	77	76	79	be	"		3	"
10	6	4	52.7	"	"	3			30.24	80	77	76	79	"	"		3	"
11	6	8	59.5	"	"	3			30.24	80	77	76	79	"	"		3	"
Mid.	6	9	66.4	"	"	3			30.24	80	77	76	79	"	"		3	"
	6	6	78.0	"	"	3			30.24	80	76	76	79	"	"		3	"

under the command of Commander Frank Courtis, U. S. Navy,

Monday, February 26th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Clear and pleasant with thick haze around horizon. Calm. At 12:15 took in all head sails, topsail, and main topmast staysail. Moon rose at 9:40. Under steam alone on course N.W. by W. 3/4 W. (P.S.C.) log 50 at end of watch. Average steam 38. Average revolutions 83.5.

Ralph Earle,
Ensign, USN.

4 to 8 AM.

Clear and pleasant. Very light airs from South and S.E. Barometer rising. Steaming. Course N.W. by W. 3/4 W. (P.S.C.). Ship rolling slightly to slight following swell. Average steam 33. Revolutions 81.5.

Ensign, USN.

8 AM to Meridian.

Clear and warm. Light airs from S.S.E. Barometer rising slowly first part, and falling slowly last hour. At 9:30 all hands were called to quarters and the proceedings and findings in the cases of Chas. D. Mullen and Chas. F. Reiff, Apprentices 3rd Class, tried by summary court martial, were read. And they were sentenced to 30 days confinement in single irons, and loss of one months pay, amounting to $9.00 each. Reiff and Mullen were confined in accordance with the above sentence, loss of pay being referred to the Secretary of the Navy. By order of the Commanding Officer, the Summary Court for the trial of C. D. Mullen (A.S.C.) and others, is dissolved. Sounded the call to General Quarters at 9:44 1/2. The Illinois reported ready as follows:- 5 lb., 1/2 minute; Powder and 4 lb., 1 1/2 minutes; 1st, 2 minutes; 2nd 2 1/2 minutes; 3rd, 3 minutes; Navigators 3 1/2 minutes. Secured in 3 minutes. Mustered at quarters. Absent without leave, T. Dwyer (A.S.C.). About 10:40 large white steamer was sighted on starboard bow. She passed to Eastward. At 11:20 set back deck clock 5 minutes. Punishment awarded by the Commanding Officer:- C. D. Ampblett (A.S.C.), stealing food from the galley - reduced to the 4th Conduct Class. Under steam alone on course N.W. by W. 3/4 W. (P.S.C.). Average steam pressure 39 lbs., average revolutions 83. Ship rolling about 5 times per minute; greatest roll 5° each way.

W. J. Landon
Ensign, USN.

Meridian to 4 PM.

Clear and warm. Light airs to light breeze from S.E. On course N.W. by W. 3/4 W. under steam. Boilers A. and B. At 12:45 set jib. At 1:00 set foresail and topsail. At 1:30 set main topmast staysail. Hauling it down immediately. At 1:00 sighted land two points forward of port beam and at 3:15 sighted land two points on port bow. Lighted fires under C Boiler at 2:30. At 1:00 exercised unsatisfactory apprentices as follows:- 2nd Div. Ordnance, 4th Div. Signals, 5 Div. Seamanship. By order of the Captain released from confinement and restored to duty J. W. Nelson (A.S.C.) and A. C. Hines (A.S.C.). The following punishments were awarded by the Captain:- J. O. Keary (A.S.C.) 5 days confinement on bread and water for stealing food from galley. T. J. Bowling (A.S.C.) 10 days in double irons for interfering with Master-at-Arms while attempting to arrest another boy. R. A. Calhoun (A.S.C.) 6 hours extra duty for taking food from commissary cooks. A. A. Cooper (M.A.A.) 5 days confinement on bread and water for disposing of government property. Revolutions per minute 34. Av. steam 39.

E. T. Baldwin
Ensign, USN.

4 to 6 PM.

Fair and pleasant. Light to gentle East by breeze. From 4:30 to 5:30 held sail drill, at the conclusion of which set foresail, jib, and topsail. Began distilling with boiler B at 6:00. Coast of Haiti on port beam. Under steam and about sail, on course N.W. by W. 3/4 W. (P.S.C.) log 32.5 at end of watch. Av. steam 38. Av. rev. 34.3

Ralph Earle,
Ensign, USN.

6 to 8 PM.

Clear and hazy. Pleasant. Gentle breeze from East to E.N.E. Barometer steady. At 6:10 set main topmast staysail. At 6:40 changed course to N.W. by W. 1/2 W. log 36.5. At 7:15 set fore topmast staysail and flying jib. Steaming. Course at end of watch N.W. by W. 1/2 W. (P.S.C.). Steam 40. Revs. 37.3. Under foresail and fore and aft gaff sail, spanker.

Ensign, USN.

8 PM. to Midnight.

Clear and pleasant, with heavy dew. Gentle breeze from E.N.E. Barometer rising slowly first part. Under same sail and steam as during preceding watch, on course N.W. by W. 1/2 W. (P.S.C.). Average steam pressure 40 lbs. Av. revs. 34.4. Ship about steady.

Examined and found to be correct

W. J. Landon
Ensign, USN

E. F. Ledyard,
Asst. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from San Juan, Puerto Rico, to Guantanamo, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Curse.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	6	1	49.1	N.W.by W.	N.E.	3	P 2°		30 23	79	77	77	79	bw.	none		0	S.
2	6	9	55.8	"	"	3	2°		30 21	79	77	77	79	bcw	Cu.		1	"
3	6	6	62.4	W.N.W.	"	3	2°		30 21	79	77	77	79	"	"		1	"
4	7	1	69.5	"	"	3	3°		30 20	79	77	76	79	"	"		1	"
5	6	7	76.2	"	"	3			30 20	79	77	76	79	"	"		2	"
6	6	6	82.8	"	"	3			30 23	79	77	76	79	bc.	"		3	"
7	4	2	87.0	"	"	3			30 25	79	78	77	79	"	"		4	"
8	7	0	94.0	"	"	3			30 27	80	78	75	79	"	"		4	"
9	5	9	99.9	"	"	3			30 29	81	78	75	79	"	"		4	"
10	4	8	104.7	"	"	3			30 30	82	79	75	79	"	"		5	"
11	4	8	109.5	"	East	4			30 31	84	81	77	79	"	"		6	"
Noon.	5	9	115.4	"	"	4			30 30	85	84	80	77	"	"		4	"

Position at 8 A. M.: Latitude by DR. 20° 03' 00" N. Mag. Temp.
Longitude by Obs. 70° 29' 15" W. For'd Aft
Position at noon: Latitude by observation 20° 11' 38" N. 82- 80-79
Longitude by observation 70° 49' 27" W.
Latitude by D. R. 20° 10' 00" N.
Longitude by D. R. 70° 49' 00" W.
Course made good since preceding noon: N. 66° W.
Distance made good since preceding noon: 151.5 miles.
Distance by Log since preceding noon: 146.8 miles.
Current per hour: — miles, set — true.
Position at 8 P. M.: Latitude by Obs. 20° 15' 00" N.
Longitude by Obs 71° 44' 00" W.
Variation of compass: from chart 2° 20' W. by.
Error of compass observed at 4.55 3° 18' W. by
Deviation of compass on W. by N. 3° 38' W. by
Water expended during the preceding 24 hours, 5-5-0 gallons.
Water distilled during the preceding 24 hours, 125-0 "
Water remaining on hand fit for use at noon, ~~2000~~ "
Coal consumed during the preceding 24 hours, 9 tons, 240 lbs.
Coal remaining on hand at noon, 102 " 1785 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Curse.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	3	3	50.0 53.3	W.N.W. W. ½ N.	East	4			30 28	85	82	78	79	bc	Cu.		5	S.
2	5	0	58.3	"	"	4			30 26	86	82	78	79	"	"		5	"
3	5	5	63.8	"	E. by N. E.	4			30 23	83	81	78	79	"	Cu.		5	"
4	5	9	69.7	"	"	4			30 23	82	80	76	79	"	"		6	"
5	6	0	75.7	"	"	4			30 23	82	79	76	79	"	"		5	"
6	6	1	81.8	"	"	4			30 23	80	78	75	79	"	"		7	"
7	6	8	88.6	W. ¾ N.	"	4			30 23	80	78	76	79	bcw	"		5	m.
8	7	1	95.7	"	"	5			30 25	80	78	76	79	"	"		3	"
9	7	0	2.7	"	"	5			30 26	80	78	75	79	"	"		3	"
10	6	7	9.4	"	"	5			30 26	79	78	75	79	"	"		3	"
11	6	6	16.0	"	E. by N.	5			30 26	79	78	75	79	bsp.	Cu.m		3	"
Mid.	6	5	22.5	"	"	5			30 25	79	78	75	77	bc	"		2	"

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, February 27th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Clear and fine Gentle breeze from N. E. Under steam and sail on course N.W. by W. Boilers A and C Flying jib, jib, fore and main topmast staysails, forecail and trysail. At 2:04 changed course to W. N. W. Patent log reading 86.9. Av. steam 48. Av. revolutions 38.5. Distilling from Boiler B.

J. C. Baldwin Ensign, USN.

4. to 8. AM.

Fair and pleasant. Gentle N. E. by E. breeze. Moon rose at 4:35. At sunrise sighted the Island of Watts off port beam. A sail sighted to S. E. & bound East. Under steam and sail as in previous watch, on course W. N. W. (P.S.C.) log 28.5 at end of watch. Average steam 46. Av. revs 38.1

Ralph Earle, Ensign, USN.

8. AM. to Meridian.

Fair and pleasant. Gentle to moderate breeze from N. E. to East. Barometer rising slightly. At 9:30 mustered at quarters, absentee T. Dwyer (A.S.C.). After muster exercised divisions as per routine. At 10:30 sounded call to Arm and Away Boats, all boats reported ready in 5½ minutes and secured in 8½ minutes. At 11:20 set clock back 6 minutes. At 10:15 hauled down fore and main topmast staysails. At 8:30 called all hands and made sail, and uncoupled screw, and proceeded under all sail save mainsail. Course W. N. W. Land in sight on port hand throughout watch. Ship nearly steady. Let fires die out under boiler C and banked fires under boiler A. Distilling.

W. H. Rice Ensign, USN.

Meridian to 4. PM.

Fair and pleasant. Moderate breeze from East and S. E. & E. Barometer falling slowly. At 12:15 changed course to W. ½ N. (P.S.C.) by 2 reading 50.0, and took in spanker and main trysail. Ship nearly steady. On course W. ½ N. (P.S.C.) under all square sail (except mainsail) and jib. At 1:00 exercised unsatisfactory boys as follows:- those of 3rd Division, in Signals; 4th, Seamanship; 5th Ordnance. Exercised watch below in knotting and splicing and watch on deck in head of gear and sails for one hour. Distilling. Land in sight to port throughout watch.

W. H. Mannix, Ensign, USN.

4 to 6 PM.

Clear and pleasant. Moderate breeze from E. N. E. On course W. ½ N. under jib and all square sail except mainsail. At 5:00 exercised at reefing topsails and forecail, and furling light sails. Left sail as before. At 4:30 finished distilling, and banked fires. At 6:00 changed course to W. ¾ N. P.S.C. 81.8.

J. C. Baldwin Ensign, USN.

6 to 8. PM.

Fair and pleasant. Moderate to stiff E. N. E. by E. breezes. Under jib and all square sail save mainsail on course W. ¾ N. (P.S.C.) log 95.7 at end of watch.

Ralph Earle, Ensign, USN.

8. PM. to Midnight.

Fair and pleasant. Stiff breeze from E. N. E. to E. by N. Course W. ¾ N. (P.S.C.). Under jib and all square sail save mainsail. Ship steady.

C. M. Fahs Lieut, USN.

Examined and found to be correct.

E. F. Leigh. Lieut. Navigator.

4-225

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from San Juan, Puerto Rico, to Guantanamo, Cuba.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, average.	State of the Sea.
A. M.																		
1	5	8	28.9	W ¾ N.	E. by N.	5			30 25	79	78	75	77	bc	Cu.		2	m.
2	5	7	34.0	"	East	5			30 23	79	78	75	77	bcp	"		2	"
3	5	5	39.5	"	"	4			30 22	79	78	75	77	bc	"		4	"
4	5	8	45.3	"	"	4			30 22	80	77	75	77	bcp	"		4	"
5	5	2	50.5	"	"	4			30 22	79	77	75	77	"	"		5	"
6	6	3	56.7	W by S.	"	5			30 23	79	77	75	77	bc	"		4	"
7	6	2	62.8	W.S.W. ½ W.	E. S. E.	5			30 24	79	77	75	77	"	"		4	"
8	6	2	69.0	"	"	5			30 26	81	77	75	77	bcp	"		4	"
9	6	6	75.6	"	E. by S.	5			30 27	82	79	75	77	bc	"		2	"
10	6	9	82.5	"	E. S. E.	5			30 27	83	79	76	77	"	Cu.		1	"
11	6	8	89.3	"	"	5			30 27	84	81	76	77	"	"		2	"
Noon.	6	8	96.1	"	"	5			30 25	88	84	80	78	"	"		2	"

Position at 8 A. M.: Latitude by DR. 20° 32′ 00″ N. Mag. Temp. Aft.
Longitude by Obs. 73° 03′ 15″ W. For. 82- 80-78

Position at noon: Latitude by observation 20° 10′ 28″ N.
Longitude by observation 73° 33′ 20″ W.
Latitude by D. R. 20° 08′ 00″ N.
Longitude by D. R. 73° 21′ 45″ W.

Course made good since preceding noon: Coasting.
Distance made good since preceding noon: 159.5. miles.
Distance by Log since preceding noon: 148.1 miles.
Current per hour: 0.6 miles, set N. 80° W true.

Position at 8 P. M.: Latitude by bearings from 6 p.m. 18° 57′ 00″ N.
Longitude by " 6 " 74° 17′ 12″ W.
Variation of compass: from chart 1° 15′ E. by.
Error of compass observed at 5:13 1° 36′ W. by.
Deviation of compass on W. S. W. 2° 51′ W. by.
Water expended during the preceding 24 hours, 550 gallons.
Water distilled during the preceding 24 hours, 950 "
Water remaining on hand fit for use at noon, 1800 "
Coal consumed during the preceding 24 hours, tons, 1600 lbs.
Coal remaining on hand at noon, 102 " 185 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Direction.	CLOUDS. Amount, average.	State of the Sea.
P. M.																		
1	5	8	1.9	W.S.W. ½ W.	E. S. E.	5			30 21	85	80	78	78	bc	Cu		2	m
2	5	7	7.6	"	E. N. E.	5			30 18	84	80	78	78	"	"		2	"
3	4	8	12.4	"	"	5			30 16	84	80	77	79	"	"		2	"
4	4	9	16.9	"	"	5			30 15	82	79	77	79	"	"		2	"
5	3	5	20.8	W.S.W.	"	5			30 16	84	79	77	79	"	"		4	"
6	4	0	24.8	S.W. by W. ½ W.	"	5			30 16	82	79	77	79	"	Cu.		2	"
7	4	9	29.7	"	"	5			30 15	82	79	77	79	"	"		2	"
8	4	9	34.6	"	"	5			30 16	85	78	76	79	"	"		5	"
9	4	0	39.3	W.S.W.	N. E.	5			30 18	86	77	76	79	bcw	Cu		3	"
10	4	4	43.7	"	"	5			30 19	89	77	76	79	"	"		1	"
11	4	0	47.7	"	"	5			30 19	87	77	76	79	bw	Cirro		0	"
Mid.	3	4	51.1	"	"	5			30 20	86	77	76	79	"	"		0	"

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, February 28th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Generally clear and pleasant. Damp. Light passing rain showers 2d and 4th hours. Stiff to moderate breeze from E by N. and East. Barometer falling. Course W 3/4 N (P.S.C.) under jib and square sail save mainsail. Rolling slightly last hour.

W. Marion
Ensign, USN

4 to 8 A.M.

Generally fair with light passing rain squalls at intervals. Moderate increasing to stiff breeze from East and stiff breeze from E.S.E. Barometer rising slowly. Took in royals before rain squalls. At 5:45 sighted land on port bow. Set course W 3/4 N. (P.S.C.) until 6:40 when course was changed to W by S (P.S.C.) p.l. reading 66 6; at 7:00 changed course to W.S.W. 1/2 W. (P.S.C.) p.l. reading 62.8. Ship rolling 6 times per minute, maximum roll 8° each way. At end of watch on course W.S.W 1/2 W. (P.S.C.) under all square sail (except royals and mainsail) and jib.

W. Marion
Ensign, USN.

8 A.M. to Meridian

Clear and fine. Stiff breeze from E by S and E.S.E. On course W.S.W. 1/2 W. under sail. Jib, foresail, topsails, and topgallantsails, set. At 9:30 mustered at quarters. Absent without leave T. Alyzer (A.S.C.). Exercised as per routine. The following punishments were awarded by the Captain:- J. W. Nelan (A.S.C.), C.V. Eddings (A.S.C.), A. E. Derrick (A.S.C.), Gl. A. Moore (A.S.C.), V. Jedlicka (A.S.C.), and J. J. Boyan (A.S.C.), 5 hours extra duty each for shirking. J. A. M. Foley (A.S.C.), 5 days double irons for refusing to obey orders. E. J. O'Neill (A.S.C.), 16 hours extra duty for destroying hammock billet number R.E. Berry (A.S.C.), 4 hours extra duty for loafing about decks out of uniform. E. J. Colby (A.S.C.) and C. D. Ampudeh (A.S.C.), 16 hours extra duty for reporting stern light bright when it was out. By order of the Captain released from confinement and restored to duty E. D. Royal (A.S.C.). Ship rolling 11° each side first hour, then nearly steady. At 11:00 loosed royals, flying jib and main topmast staysail to dry. Set deck clock back 10 minutes at 11:30.

T. R. Baldwin Ensign USN.

Meridian to 4 P.M.

Clear and pleasant. Stiff E.S.E. by E to E.N.E. by E breeze. At 12:20 sighted land of Cuba on starbd bow. At 12:25 took in and furled topgallantsails, furled royals and stowed flying jib. Unbent main topmast staysail. 3rd period, instructed watch below in knotting and splicing. Those apprentices unsatisfactory in seamanship of 1st and 2d classes were given instruction in that branch, and those of 5th in signals. A sailing vessel bound N.E. passed astern at 2:00. At 2:00 hauled up foresail. On course W.S.W. 1/2 W. (P.S.C.) until 4:00 when changed course to W.S.W. (P.S.C.) log 169. Under jib and topsails. Lost sight of Baire at 3:00.

Ralph Eddy
Ensign, USN.

4 to 6 P.M.

Fair and pleasant. Stiff E.N.E. breeze. Under topsails and jib. Course W.S.W. (P.S.C.). At 4:45 set foresail. At 5:00 exercised at sail drill and finally sent down royal yards, leaving the ship under topsails, foresail and jib. At 5:35 set topgallantsails. Ship steady. Eastern end of Cuba in sight on starbd hand. At 6:00 changed course to S.W. by W. 3/4 W. (N.C.)

C. Ne. Sabs
Lieut, USN.

6 to 8 P.M.

Fair and pleasant. Stiff E.N.E. breeze. Barometer steady. Course S.W. by W. 1/2 W. (P.S.C.) At 7:10 took in and furled topgallantsails. At end of watch on course under topsails, foresail, and jib.

W. Marion
Ensign, USN

8 P.M. to Midnight

Clear and pleasant with heavy dew. Stiff breeze from N.E. Barometer rising slowly. At 8:10 changed course to W.S.W. (P.S.C.) p.l. reading 35.3. At 8:50 hauled up foresail. Scandalized main topsail at 9:05 and fore topsail at 10:15. At 10:45 sighted a steamer three points forward starbd beam. She passed to eastward. Ship about steady. At end of watch on course W.S.W. (P.S.C.) under fore and main topsails scandalized.

W. Marion
Ensign, USN

Examined and found to be correct.

APPROVED.

Frank Courtis
CON'D'R., U. S. N., COM'D'G.

E. F. Leiper
Lieut. Navigator.

4—365

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from San Juan, Puerto Rico, to Guantanamo, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
Chip 1	8	5	529	W.S.W.	N.E. by E	3			30 16	85	78	77	78	bcw	Cu		8	S.
" 2	3	0	537	"	"	3			30 15	82	78	77	78	"	"		2	"
" 3	3	0	543	"	North	3			30 15	82	78	76	78	"	"		4	"
" 4	2	0	549	"	N.N.W	1			30 15	82	78	76	78	"	"		8	"
5	1	0	609	"	"	1-2			30 15	82	78	76	78	"	"		5	"
6	3	2	641	"	"	2			30 15	80	78	76	78	bc	"		6	"
7	1	0	651	W.½S.	"	2			30 16	80	78	76	78	"	"		7	"
8	0	0	651	N.W. by W.	"	2			30 20	81	78	76	78	"	"		5	"
9	5	5	716	W.½N.	N.E.	3			30 23	87	79	77	79	"	"		5	"
10	4	0	736	N.W. by W.½W.	"	3			30 24	85	83	80	79	"	"		6	"
11	4	3	753	N.W. by W.	"	2			30 25	90	81	78	79	"	a-a		3	"
Noon.	5	0	818	"	"	1			30 25	95	83	80	79	"	"		4	"
	3	9	90.7															

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″

Mag. Temp. Dry. Aft. 82- 80-79.

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″

Course made good since preceding noon: Coasting.

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 109.2 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1250 "

Coal consumed during the preceding 24 hours, 2 tons, 1320 lbs.

Coal remaining on hand at noon, 99 " 1105 "

P. M.	At anchor																	
1				Varus	N.E.	0-1			30 24	91	83	80	79	bc	a-a		4	S.
2				S.S.E.	"	1			30 23	89	87	80		"	"		4	
3				"	South	1			30 22	88	85	81		"	"		7	
4						1			30 21	87	85	82		"	"		7	
5				W.SW.	W.S.W.	2			30 21	86	84	80		"	"		5	
6				W. by S.		1			30 21	84	80	78		"	a-		4	
7				"	Calm.	0			30 21	83	80	78		bcw	a-a		3	
8					"	0			30 23	83	79	78		"	"		2	
9				N.W.	"	0			30 23	84	80	78		"	"		4	
10				N.E.	"	0			30 24	84	80	78		"	"		3	
11				N. by E.	North	0-1			30 24	80	76	78		"	"		2	
Mid.				"	Calm.	0			30 24	80	76	75		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Clouding over last hour. Gentle breeze to light airs from N. & by E. to N.N.W. Barometer falling then steady. On course W.S.W. under sail. Got and scandalized topsails set. At 3:30 set foresail. At 1:30 hoisted fore topsail. At 2:00 hoisted main topsail. At 3:00 set topgallantsails. At 3:30 set royals and spanker. In hoisting main topsail carried away rimmer of port topsail clewline.

H. R. Belknap Ensign, USN.

4 to 8 P.M.

Cloudy to clearing weather. Light airs and breezes from N.N.W. On course W.S.W. (P.S.C.) until 6:00 when log reading 64.1 hauled aft sheets full and by on starboard tack, making good W. ½ S. (P.S.C.). Spread fires under boilers A and B at 6:00. At 7:00 took in and furled all sail, at 7:01 completed up and went ahead slow, and at 7:10 ahead full speed under steam on boilers A and B. On course N. by W. (P.S.C.) remainder of watch. East of Cuba in sight on starboard hand. USS "New York" sighted astern at 6:00 and at 8:00 we exchanged code numbers. At end of watch on course N.W. by W. (P.S.C.) under steam alone. Av. steam 95. Av. Revs. 78.6.

Ralph Earle
Ensign, USN.

8 A.M. to Meridian.

Fair and warm. Gentle breeze to light airs from N.E. Barometer rising slightly. At 8:30 changed course to W.N.W. (P.S.C.) past log 67.6. At 9:20 changed course to N.W. by W. ½ W. (P.S.C.) past log 70. At 10:46 changed course to N.W. by W. (P.S.C.) past log 80.3. At 9:30 mustered at quarters after which exercised divisions as per routine. At 8:30 set fore and aft sail and took in at 10:45. At 9:45 made Entln. 45.55 to "New York". At end of watch standing into Guantanamo Bay. The Captain coming. Average steam 45. Revs. 33.3. Sighted light house at 9:10. Absent without leave, T. Allwyer (A.S.) Reader of the Captain of Whelan (A.B.) was given 10 days extra duty for persistently shirking at sail drill.

Ensign, USN.

Meridian to 4 P.M.

Fair and warm. Calm and light airs from N.E. to South. Barometer falling slowly. At various courses first hour into Guantanamo Bay. At 10:15 hauled in patent log reading 90.7. Called all hands about 12:45 and at 1:05 let go port anchor and veered to 30 fathoms chain in 6¾ fathoms of water (muddy bottom). Bearings at anchor, Pta del Arcacal, N. 32° E., Fishermans Point, S. 53° E., other point, N. 72° E.. Ships Head S.S.E. ½ E. all bearings per standard compass. Fired a salute of 13 guns which the Flagship "New York" returned with a salute of 7 guns. At 12:50 "Essex" made "General Signal Interrogatory 13". To Flagship, and Flagship to "Essex" "General Signal 132" "Draft of ship on anchoring, forward 14'.0"; amidships 15'.2"; aft 17'.0". About 2:00 the Commanding Officer of this ship called officially on the Commander-in-Chief. Exercised apprentices of 3rd division at heaving the lead. Hauled fires under boiler "A" retaining "B" in use for distilling. Average steam pressure 140 lbs., average revolutions 33.1

W. H. Hanson
Ensign, USN.

4 to 8 P.M.

Fair and pleasant. Light W.S.W. airs and calm. Barometer rising slowly. The following signals were made during watch. "F. to B." W.W. "Steamer City of Washington" will leave direct for U.S. At 6:00 "Will take mail". "B. to F." W.W. "Will steamer stop here" "F." to "B." "Steamer will not stop passing." Spanish steamer came into port.

Ensign, USN.

8 P.M. to Midnight.

Fair and pleasant. Calm and light airs from North. Barometer steady. About 8:00 the steamer "City of Washington" left the harbor.

W. H. Hanson
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Fleet Navigator.

4—285

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, each in.	State of the Sea.
A. M.																		
1	At anchor.			E. by S.	Calm.	0			30.22	78	75	74		bw	mne		0	
2						0			30.20	77	74	73		"	"		0	
3				N. N. E.	N. E.	1			30.19	77	74	73		"	"		0	
4				N. by E.		1			30.18	76	74	73		bcw	ci.		1	
5				N. W.	N. N. W.	1			30.19	78	74	73		"	"		1	
6				N. W. by N.	North	1			30.20	74	74	73		"	ci. cu.		2	
7				N. W. by W. ½ W.	Calm.	0			30.21	76	74	73		bc	"		1	
8				W. N. W.	N. W. by W.	1			30.23	76	74	73		"	"		1	
9				N. N. W.	N. N. W.	1			30.24	84	83	78		"	"		2	
10				N. by E.		1			30.29	87	83	79		"	ci.		2	
11					Calm.	0			30.29	91	84	80		"	ci cu		3	
Noon.				N. N. E.	S. W.	1			30.29	96	84	82		"	"		3	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Alt.
Longitude by ° ′ ″ 83- 84.80

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 3.9 miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1200 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 2 tons, 520 lbs.

Coal remaining on hand at noon, 97 " 585 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, each in.	State of the Sea.
P. M.																		
1	At anchor.			E. by N.	W. S. W.	1			30.29	96	89	83		bc	Cu.		3	
2				S. by E.	S. S. E.	2			30.25	91	89	79		"	"		3	
3				S. W.	S. W.	2			30.23	89	87	81		"	Cu.		5	
4				"	"	2			30.24	88	85	81		"	"		6	
5				West.	"	3			30.25	84	83	80		"	"		6	
6				N. N. W.	North	3			30.25	81	78	75		"	Cu.		6	
7				"	"	3			30.25	80	78	75		"	"		5	
8				"	"	3			30.25	80	78	75		"	"		2	
9				"	N. W. by N.	1			30.26	79	76	74		"	"		1	
10				"	"	1			30.26	78	74	72		"	"		1	
11				N. by W.	"	1 or 2			30.26	75	73	71		bc	mne		0	
Mid.				"	"	2			30.25	74	72	71		"	"		0	

4—4.5

under the command of Commander Frank Courtis , U. S. Navy,

Friday, March 2nd, , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Clear and fine. Bright starlight. Calm to light airs from N. E. Barometer falling slowly.

W. F. Eldridge Ensign, USN.

4 to 8. AM.

Clear and warm. Calms and light variable airs. Barometer rising. Sent force ashore for target practice party at 7:50. Cuban steamer "Montera" came in at 6 o'clock. At 7:30 flagship made following uniform signals, 700 and 684.

[illegible]
Ensign, USN.

8 AM. to Meridian.

Clear and warm. Light breezes and airs from N.N.W. and S.W. and calm. Barometer rising slowly first part, then steady. At 9:30 mustered at quarters, after which the 2d, 3d, and 4th Divisions were exercised at setting up, and then given oral instruction. Absent without leave at 9:30, T. Dwyer (A.B.C.). Cleaned and disinfected bilges. The Chief Gunner's Mate reported having tested magazine flood and drain cocks and found them in good condition. At 10:30 the Commanding Officer of the Flagship returned the call of the Commanding Officer of this ship. The Divisions had target practice on shore as follows:- the 5th Division returned at 10:15, the 3d left the ship at 10:30, and the 1st and 2nd Divisions returned at 12:00. Signals were made during the watch as follows by wigwag:- "Essex" to "Flagship", at 11:05, - "Message at cable office for Admiral, charges to be paid." At 11:10 "Flagship" to "Essex" - "Do you know what charges are on Admiral's message"; "Essex" to "Flagship" - "Not certain, but think a dollar and a half. It was forwarded from Port au Prince."

W. F. Manson
Ensign, USN.

Meridian to 4 PM.

Clear and fine. Light airs to light breezes from W.S.W., S.S.E., and W. Rain squalls passing to westward last half. At 11:00 sent 1st and 2nd Divisions in charge of Lieut C. M. Fahs and Ens W. S. Turpin, USN. ashore for target practice. At 3:00 the "New York" fired a salute of 9 guns, English flag at fore. At 3:00 the U.S.S. Scorpion came in and anchored. At 4:00 the Commanding Officer of the "Scorpion" called officially on the Captain.

W. F. Eldridge Ensign, USN.

4 to 8 PM.

Clear and pleasant. Gentle breezes from S.W. and North. Barometer steady. Moon set at 7:20. About 6:00 the 2nd Division returned on board from target practice ashore. Signal by wigwag "Flagship" to "Essex" at 7:45 - "To Comdr. Courtis. The Uniform for going to Guantanamo will be white service dress."

W. F. Manson
Ensign, USN.

8 PM. to Midnight.

Clear and fine. Bright starlight. Light airs to light breezes from N.W. by W. Barometer steady.

W. F. Eldridge Ensign, USN.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—225

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning Forms.	CLOUDS. Amount, scale 0-5.	State of the Sea.
A. M.																		
1	At anchor			N. by W.	North.	2			30.25	74	72	71		bcw	Cu-cu		1	
2				"	"	2			30.24	74	72	71		"	"		4	
3				"	"	2			30.24	74	72	71		"	"		4	
4				N. N. W.	"	1			30.24	74	72	71		"	"		2	
5				"	"	1			30.23	74	72	71		"	"		2	
6				N. W.	"	2			30.25	74	72	71		"	"		2	
7				"	"	2			30.25	75	72	71		bc	Cu		3	
8				"	"	2			30.25	75	73	72		"	"		4	
9				"	"	1			30.28	81	78	73		"	"		3	
10				North	"	2			30.29	83	82	78		"	"		3	
11				"	"	2			30.29	84	82	80		"	"		4	
Noon.				E. by S.	N. E.	3			30.29	86	87	78		"	Cu-cu		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temps. For. Aft.
Longitude by ° ′ ″ 82- 80-79

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1550 "

Water remaining on hand fit for use at noon, 8850 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 95 " 865 "

P. M.	At anchor																	
1				E. S. E.	E. N. E.	2			30.27	87	86	80		bc	Cu-N.		5	
2				N. W.	"	4			30.25	86	82	78		bcf.	"		7	
3				N. N. W.	N. N. W.	3			30.29	83	79	777		"	"		9	
4				N. W.	"	2			30.29	89	79	77		"	"		8	
5				N. E.	N. by E.	0-3			30.24	85	80	77		bc	Cu-Cu		4	
6				North	"	3			30.23	81	79	73		"	Cu-Cu		4	
7				N. N. W.	North	3			30.25	79	78	73		"	"		3	
8				"	"	2			30.26	79	77	74		"	"		3	
9				N. by W.	N. N. W.	3			30.27	78	75	73		"	Cu		2	
10				"	"	3			30.27	77	75	73		"	"		1	
11				N. N. W.	"	4			30.27	77	75	73		dcw	"		1	
Mid.				N. by E.	"	3			30.27	75	73	71		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, March 3rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light North'ly airs and breeze.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Light airs and breezes from North. Barometer rising slowly first part, then steady. The 5th Division left the ship at 6:00 for target practice ashore. At 7:00 the Flagship made Time and uniform signal: "Uniform same as yesterday."

W. J. Marion
Ensign, USN

8 A.M. to Meridian,

Clear and fine. Light airs to gentle breezes from North and N.E. Barometer steady. Field day. At 8:30 the 3rd division in charge of Ens. W. J. Marion, USN. left the ship for rowboat practice ashore. At 10:30 the 3rd Division returned. G. R. Crofut, (A. B. C), H. A. Moore (A. B. C), and J. D. Pettet (A. B. C) absented themselves from the party without permission and failed to return with the party. Absentee at 9:30 A.M. J. Aburger (A. B. C), absent without leave. At 11:45 the 5th Division returned from target practice bringing with them Apprentices Crofut, Moore, and Pettet, and they were confined in double irons to await action by order of the Commanding Officer (Executive Officer). By order of the Captain J. P. Leary (A. B. C), and A. B. Cooper (M. At) were released from confinement their time having expired. At 9:15 received wig-wag signal from Flagship "Passed Assistant Paymaster Ammen is a member of a survey on the Scorpion to be held this afternoon after return of Admiral's party from Guantanamo." A Committee of Officers from the Scorpion called officially on the Ward Room.

H. A. Baldwin Ensign, USN.

Meridian to 4 P.M.

Cloudy with light drizzling rain. Light to moderate breeze from S. W. S. to N. N. W. At 1:30, ship's tanks being filled, stopped distilling and allowed fires under Boiler B to die out.

Ralph Earle,
Ensign, USN.

4 to 8 P.M.

Cloudy and pleasant. Calm to gentle breeze from N by E and North. Barometer rising.

H. A. Baldwin Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Light to gentle N. N. W. by breezes. Moon set at 8:30.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

E. F. Lacher
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Eastward.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	At anchor.			N. N. E.	N. N. W.	2			30 25	74	73	72		bc	A-Cu		5	
2					"	2			30 24	75	73	72		bcs	N.		7	
3				North	N. W. by N.	3			30 23	76	73	71		bcl.	"		5	
4					North	4			30 24	77	73	71			"		4	
5				N. by W.	"	3			30 24	77	72	70		bc.	S-Cu.		3	
6				N. N. W.	"	3			30 24	75	72	70		"	"		3	
7					"	3			30 27	75	73	71		"	"		4	
8				North	N. E.	3			30 29	79	75	72		"	Ci-Cu.		4	
9				N. N. E.	N. N. E.	4			30 30	80	79	74		"	Cu.		5	
10				N. E. by N.	"	4			30 31	81	80	74		"	"		7	
11				N. N. E.	"	4			30 31	82	80	74		"	"		5	
Noon.				[illegible]	"	4			30 31	82	80	74		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Air. 82- 79-78

Longitude by ° ′ ″

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 150 "

Water remaining on hand fit for use at noon, 2450 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 94 " 1905 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Eastward.	CLOUDS. Amount, 0 to 10.	State of the Sea.
P. M.	At anchor.																	
1				N. E. by N.	N. N. E.	4			30 30	88	80	75		bc	Cu.		5	
2						4			30 30	87	80	75		"	"		6	
3				N. E.	N. E.	4			30 26	84	78	74		"	"		6	
4						4			30 26	83	79	75		"			7	
5				N. N. E.	N. N. E.	4			30 25	80	77	72		"	Ci-Cu.		7	
6				"	"	4			30 25	80	75	70		"	"		7	
7				"	"	3			30 26	80	75	70		"	"		8	
8				North	North	3			30 27	81	75	69		"	"		6	
9				"	"	3			30 28	81	75	70		"	"		6	
10				"	"	3			30 27	78	75	71		"	Cu.		5	
11				N. E. by N.	"	3			30 27	78	75	71		"	"		8	
Mid.				"	N. N. E.	3			30 25	78	75	71		"	"		1	

under the command of Commander Frank Courtis , U. S. Navy,

Sunday, March 4th , 1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cool. Light and gentle breezes from N.N.W. and N.W. by N. Moderate breeze from North sprung up last half hour.

C. M. Fahs
Lieut., U.S.N.

4 to 8. A.M.

Clear and fine. Gentle to moderate breeze from North and N.E. Barometer rising.

H. R. Belden
Ensign, U.S.N.

8 A.M. to Meridian

Cloudy to pleasant. Moderate N.N.E. by E. breeze. At 9.15 inspected divisions at quarters. At 9.30 with all hands to muster on quarter deck read the Articles of War, and held general muster, absentee, J. Dwyer, A.S.C. The Chaplain held divine service. By order of the Commanding Officer placed M. T. Geier and J. P. Geary, A.S.C., in confinement for five days on bread and water, the former for stealing food from the galley, and the latter for persistently loafing around the galley after being repeatedly ordered away. Placed J. H. Pettet, O.N.A. Moore, and E. R. Arquit, A.S.C., in double darbies for 1 day, for disobedience of order in wandering away from firing party without permission and not returning with them; and assigned punishments as follows: R. E. Berry, W. H. Johnson, and W. B. Walsh, A.S.C., for wandering out of limits of firing party without permission, the first reduced to 3d conduct class, and the last two to 3d conduct class; J. Whalen, A.S.C., disregard of orders, 2 hours extra duty; C. B. Allan, A.S.C., continual disorder at drill, 4 hours extra duty; and S. D. Ampblett, A.S.C., gross slovenly, 4 hours extra duty. The American steamer "Cienfuegos" passed at 12 for Caimanera.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Moderate breeze from N.N.E. to N.E.

C. M. Fahs
Lieut. U.S.N.

4 to 8 P.M.

Cloudy to fair. Moderate to gentle N.N.E. by E. at North by E. breeze. The Commanding Officer called officially on the Commanding Officer of the "Scorpion."

Ralph Earle
Ensign, U.S.N.

8 P.M. to Midnight

Fair and pleasant. Gentle breeze from North. Moon set at 9.30.

C. M. Fahs
Lieut., U.S.N.

Examined and found to be correct.

F. F. Lemly.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Form.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	At anchor			N. N. E.	N. N. E.	3			30 23	76	77	71		bcw	Cu.		1	
2						3			30 21	74	71	70		bw	Cmc		0	
3				North	"	3			30 20	74	71	70		"	"		0	
4				N. N. W.	North	3			30 20	78	68	68		bcw	Ci.		2	
5				N. W. by N.	N. N. W.	3			30 20	79	69	69		"	"		1	
6				"	"	3			30 21	78	69	66		"	Cu.		8	
7				"	"	2			30 29	77	70	68		bc.	"		2	
8				"	"	2			30 34	78	74	70		"	"		2	
9				N. N. W.	"	2			30 27	79	78	78		"	"		2	
10				N. N. E.	North	1			30 27	83	82	77		"	Cicu		5	
11				"	"	1			30 27	85	82	79		bcf.	Cu.		4	
Noon.				N. E.	N. W.	1			30 26	87	83	80		"	"		5	

Position at 8 A. M. { Latitude by ° ' " Mag. Tenths. Log.
Longitude by ° ' " Fort Alt.

Position at noon: { Latitude by observation ° ' " 81- 79-95
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 93 " 1145 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air Dry Bulb.	TEMPERATURE. Air Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Form.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	At anchor			N. E. by E.	Variable	1			30 24	88	80	77		bcf.	Cu.		5	
2				"	"	1			30 21	86	80	77		"	"		6	
3				N. E.	N. E.	3			30 20	86	80	77		bc.	"		5	
4				N. E. E.	N. N. E.	3			30 19	84	81	76		"	"		5	
5				"	"	3			30 21	81	79	75		"	"		5	
6				"	"	4			30 21	80	77	73		"	Cu.		3	
7				North	"	4			30 22	80	75	73		"	"		2	
8				"	"	3			30 22	79	75	73		"	"		2	
9				"	North	2			30 23	79	75	73		"	"		1	
10				N. N. E.	N. N. E.	2			30 23	78	75	72		"	"		1	
11				"	"	1			30 24	77	75	73		"	"		1	
Mid.				"	"	2			30 24	77	74	71		"	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, March 5th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Gentle breeze from N.N.E. and [illegible] Barometer falling.

Ensign, USN.

4 to 8. A.M.

Clear and pleasant. Gentle to light breezes from N.N.W. Sent the 3rd and 4th Divisions ashore as firing party for practice with rifle and revolver. The acting appointment of J. Grady as B.M. 2.c. was renewed by the Commanding Officer to date from March 4th, 1900 at 7.30 flagship made time and uniform signal:- Com. Doc. - 684.

Ensign, USN.

8. A.M. to Meridian.

Cloudy and pleasant. Light airs from North to N.W. Slight sprinkle of rain latter half. Boarder of the Commander released from confinement J. A. Foley (App. 3.c) and restored him to duty. At 9.30 inspected at quarters. Absent without leave, T. Dwyer (App. 3.c). Exercised 1st, 2nd, and 5th Divisions at routine drills. At 9.30 the 4th Division returned from on shore and at 10.30 the 3rd Division returned. The "Scorpion" put to sea at 8.40.

Lieut, USN.

Meridian to 4 P.M.

Fair and pleasant. Light variable airs and gentle N.E. breeze. Barometer falling. Sent firing party ashore, 3rd, 4th and Navigators being ashore at different times. Small Norwegian Barque left port.

Ensign, USN.

4 to 8. P.M.

Fair to cloudy. Moderate to light breezes from N.N.E. The firing parties returned on board by 6.55 p.m.

Lieut., USN.

8 P.M. to Midnight.

Clear and pleasant. Light breeze from North and N.N.E. Barometer raising slightly. At 10.25 moon set.

Ensign, USN.

Examined and found to be correct.

E. F. Leeper.

Lieut. Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			N.N.E.	N.N.E.	2			30.23	77	75	72		bw	Nmc		0	
2				"	"	2			30.22	77	75	72		"	"		0	
3				"	"	2			30.22	77	74	71		"	"		0	
4				"	"	2			30.19	77	74	71		"	"		0	
5				N by W	N.N.W.	2			30.19	75	71	70		"	"		0	
6				N.N.W.	"	2			30.21	74	69	67		bc	S.Cu		2	
7				N.W by N.	"	2			30.24	81	74	71		"	Cu		2	
8				N.N.W.	"	1			30.25	80	76	72		"	"		3	
9				"	"	2			30.28	82	80	75		"	"		3	
10				"	"	3			30.28	84	82	78		"	"		4	
11				East	East	3			30.28	83	82	78		"	"		6	
Noon.				"	"	4			30.28	83	82	78		"	Cu.S		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp.
Longitude by ° ′ ″ For. J Att.
85 79 78

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1350 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 93 " 1545 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At anchor			N.E.	N.E.	4			30.27	83	80	79		bcf	Cu		7	
2				E by N.	E.N.E.	3			30.24	85	80	79		"	"		6	
3				N.E.		4			30.23	84	80	79		bc	"		6	
4				N.N.E.	N.E.	3			30.23	84	80	79		"	"		7	
5				N.E. by E.	N.E. by E.	3			30.23	83	80	76		"	"		6	
6				N.N.E.	N.N.E.	2			30.27	80	79	76		"	Cu.		3	
7						2			30.29	81	77	74		"	"		1	
8				North	North	2			30.35	80	77	74		"	Ci		1	
9				E.N.E.		2			30.36	79	76	74		bcw	Cu		2	
10				N.E.	N.N.E.	2			30.36	78	76	75		"	F.Cu		2	
11						3			30.37	78	76	75		"	"		2	
Mid.				N by W.	North	2			30.37	79	75	75		"	Ci.		1	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, March 6th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Light breeze from N.N.E. Barometer falling slowly. At 3:00 a steamer came into the harbor and went off to Guantanamo.

W. F. Manon
Ensign, USN

4. to 8. A.M.

Fair and pleasant. Light breezes and airs from N.N.W. At 7:00 sent a firing party of the 4th division on shore At 7:30 the Flagship "New York" made Gen. Signal 735 (Time and Uniform).

W. C. Parks
Lieut., USN

8 A.M. to Meridian.

Cloudy to fair and pleasant. Light to moderate breeze from N.N.W to East Barometer steady At 9:30 mustered at quarters. Absentee, T. Dwyer (a.s.c). After muster exercised divisions as per routine At 9:30, 4th division firing party returned and Navigators division went Ashore. T. Dwyer (a.s.c) was declared deserter this day from Feb. 25, 1900.

W. F. Manon
Ensign, USN.

Meridian to 4. P.M.

Generally fair and pleasant with light passing showers first part. Moderate and gentle breezes from N.E. and E.N.E. Barometer falling slowly. About 1:10 the Navigators division left the ship for target practice ashore with rifle and revolver. Exercised 3rd division at hearing the lead. Signal by wig wag "Flagship" to "Essex", about 3:15 – "Leave for Havana tomorrow morning at early dawn. Will take mail."

W. F. Manon
Ensign, USN

4. to 8. P.M.

Fair and pleasant. Gentle to light breeze from N.E. by E. and N.N.E. Barometer steady. Firing party returned at 5:30.

W. F. Manon
Ensign, USN.

8. P.M. to Midnight.

Fair and pleasant. Bright moonlight until 11:40 when moon set. Light breezes from N.N.E. and North. Barometer rising slowly.

W. F. Manon
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eights.	State of the Sea.
A. M.																		
1	At anchor			N.N.W.	N.N.W.	1			30.25	77	74	72		bcw	Cu.		1	
2				North	West	1			30.24	77	73	73		"	"		1	
3				N.N.E.	N.W.	1			30.23	76	73	71		"	"		1	
4				"	"	1			30.22	75	71	70		"	"		1	
5				North	"	1			30.22	74	70	68		"	"		1	
6				N.N.E.	"	1			30.23	75	70	68		"	Cu.Cu.		2	
7				North	"	1			30.26	78	70	69		bc	"		2	
8				"	"	1			30.29	79	76	69		"	"		1	
9				W.N.W.	Calm	0			30.33	85	78	68		"	Cu.		1	
10				E.N.E.	E.N.E.	3-5			30.33	84	79	74		"	"		1	
11				E.S.E.	E.S.E.	5			30.33	84	84	76		"	"		2	
Noon.				"	"	5			30.31	85	83	76		"	"		2	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp
Longitude by ° ′ ″ For. Air

Position at noon: { Latitude by observation 81 78-75
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 800 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 92 " 1285 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, eights.	State of the Sea.
P. M.																		
1	At anchor			East	East	5			30.30	85	85	78		bc.	Cu.		3	
2				"	"	5			30.28	86	84	76		"	"		2	
3				E. by S.	"	4			30.28	85	84	77		"	"		1	
4				"	"	3			30.26	85	84	77		"	"		1	
5				E.N.E.	N.E.	3			30.26	84	83	76		"	"		1	
6				"	"	3			30.26	84	80	75		"	"		1	
7				E. by N.	"	3			30.27	83	78	74		b.	None		0	
8				"	"	3			30.28	83	77	74		"	"		0	
9				N.N.W.	North	1			30.28	80	76	74		"	"		0	
10				N.W. by W.	N.W.	1			30.31	80	75	72		"	"		0	
11				"	"	1			30.32	78	74	71		"	"		0	
Mid.				"	"	1			30.32	77	74	71		"	"		0	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, March 7th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright starlight. Light North'ly airs. Barometer falling slowly.

H. R. Baldwin
Ensign, U.S.N.

4 to 8. A.M.

Clear and pleasant. Light N.W. airs. Barometer steady. At 6 o'clock U.S.F.S. "New York" got underway and left the harbor. At 6:50 loosed sail to dry.

Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Calm increasing to light and stiff breeze from S.W. to E.S.E. Barometer nearly steady. Furled sail at 8:30. Sounded the call to "clear ship for action" at 9:02. Ship was cleared for action in 11 minutes. Sounded the call to General Quarters at 9:13. The divisions reported ready as follows:- Powder 1½ minutes; 1st and 3rd, 1¾; 4th and 5th, 2; 2nd, 2½; Navigator's, 6-¾. Secured from General Quarters in 8½ minutes, and rigged ship in 18 minutes. Exercised at abandon ship. Sounded Gunnery call at 10:03, and call to abandon ship at 10:10. The boats were all ready in 4 minutes. Loosed sail again to dry about 10:20 and furled it again about 11:30. Punishments awarded by the Commanding Officer:- G. Weichelt (A.B.C.) and A. G. Derrick (A.B.C.), using profane language, 4 hours extra duty each; F. McCarley (Cds.) contumacious disregard of orders - 16 hours extra duty. No absentees.

W. J. Manion
Ensign, U.S.N.

Meridian to 4. P.M.

Clear and fine. Gentle to stiff breeze from East. At 1:00 sent 1st and 3d Divisions ashore for target practice, volley firing and firing at will. 1st Division returned at 3:00 and 3rd Division left. 2nd Div. returned at 3:30 and 4th Div. left taking along both Colt guns. 3rd Div. returned at 3:15 and 5th Div. left.

H. R. Baldwin
Ensign, U.S.N.

4 to 8. P.M.

Clear and pleasant. Bright moonlight last hour. Gentle breezes from N.E. Barometer rising slowly. The 4th Division returned at 4:15 (bringing back the two Colt guns), and the 5th at 5:00. Mustered at quarters at 5:35 (no absentees) and served out clean hammocks. Started fires under "Boiler B" for distilling.

W. J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Bright moonlight. Light airs from N.W. Barometer rising.

H. R. Baldwin
Ensign, U.S.N.

Examined and found to be correct.

J. F. Luce
Lieut. Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			N.W. by W.	N.W.	2			30.30	74	70	70		bw	mc		0	
2				N.W. by N.	"	2			30.28	74	70	70		"	"		0	
3				N.N.W.	"	1			30.27	73	70	70		"	"		0	
4				North.	North.	1			30.27	73	68	68		"	"		0	
5				"	"	1			30.27	75	68	68		"	"		0	
6				N.N.W.	"	1			30.28	76	68	68		bcw	bc.		2	
7				"	"	1			30.31	77	71	69		bc	"		2	
8				N. by E.	"	1			30.32	79	73	71		"	"		2	
9				"	N.N.E.	2			30.33	79	74	71		"	ci.		3	
10				E.N.E.	"	4			30.34	83	80	75		"	ci-a		3	
11				"	N.E.	4			30.34	84	84	79		"	"		3	
Noon.				"	"	4			30.34	84	84	79		"	"		3	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp. For. Aft.
Longitude by ° ′ ″ 81– 79–78

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 13850 "

Coal consumed during the preceding 24 hours, 2 tons, 20 lbs.

Coal remaining on hand at noon, 90 " 1265 "

P. M.																
1	At anchor.															
2		S.E.		E.S.E.	5			30.29	83	82	77		bc	Cu.		5
3		S.E. by E.		S.E. by E.	4			30.27	84	82	77		"	"		5
4		E.S.E.			4			30.25	84	84	78		"	"		1
5		"		E.S.E.	4			30.24	83	81	76		"	"		1
6		"		"	4			30.24	83	80	76		"	"		1
7		East		East.	3			30.25	82	79	75		"	"		2
8		E.N.E.			1			30.25	81	78	74		"	"		2
9		N.N.E.		N.N.E.	2			30.26	80	78	74		b.	mc		0
10		North		North	2			30.27	80	77	76		"	"		0
11		N.N.W.		"	1			30.28	79	76	74		bcw	Cu.		1
Mid.		N.W.		"	1			30.27	77	76	74		"	"		1

4—2 5

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 8th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. AM.

Clear, cool, and pleasant. Light breezes and airs from N.W. and North. The moon set at 13:45. A steamer left port at 2.

Ralph Earle,
Ensign, USN.

4 to 8. AM.

Fair and pleasant, with heavy dew first part. Light airs from North. Barometer rising slowly. Scrubbed hammocks.

W. F. Mannix
Ensign, USN.

8. AM. to Meridian.

Clear and fine. Light airs from North first hour shifting to light and moderate breeze from N.N.E. and N.E. Barometer steady. At 9:00 sent the battalion ashore for exercise in charge of Lieut. C. M. Fahs, USN. The battalion returned at 11:45. By order of the Captain released from confinement and restored to duty: T. J. Dowling (a.s.c.), A. A. Moore (a.s.c.), J. D. Potter (a.s.c.), and D. B. Arfust (a.s.c.). An American barkentine passed up the bay at 11:00. A small firing party ashore for target practice.

E. R. Baldwin Ensign, USN.

Meridian to 4. PM.

Clear and pleasant. Stiff to moderate breezes from E.S.E. and S.E. by E. At 1:10 went to quarters and turned in scrubbed hammocks. From 2-4 exercised all cutters under sail. By order of the Commanding Officer placed T. Ahearn, C.C., in double irons to await action for being under the influence of liquor while on duty in the steam launch. At 3:00 the Cuban steamer "Georges Droise" came in and anchored.

Ralph Earle,
Ensign, USN.

4 to 8. PM.

Clear and pleasant. Moderate breeze from E.S.E. moderating to light airs from E.S.E. and East. Barometer steady.

E. R. Baldwin Ensign, USN.

8. PM. to Midnight.

Clear and pleasant. Light airs and breezes from N.N.E. to North. Moonlight.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Lester.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	At anchor.			W. by W.	N.W.	1			30 25	76	75	73		bcu	Cmc		0	
2				"	"	1			30 24	76	75	73		"	"		0	
3				"	Calm.	0			30 24	76	75	73		"	"		0	
4				"	"	0			30 23	76	75	73		"	"		0	
5				"	"	0			30 22	76	71	71		bcu	Cu.		1	
6				N. by E	North	1			30 23	76	71	70		"	"		1	
7				North.	"	1			30 24	78	71	70		bc	"		2	
8				N. N. E.	"	1			30 27	81	73	71		"	"		8	
9				"	Calm.	0			30 28	84	76	73		"	"		1	
10				"	"	0			30 28	87	79	74		"	"		1	
11				SW.	"	0			30 28	86	82	79		"	"		2	
Noon.				SW. by W.	"	0			30 26	86	84	80		"	"		2	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp For. 82- Air Temp 78-77

Longitude by ° ′ ″

Position at noon:
- Latitude by observation ° ′ ″
- Longitude by observation ° ′ ″
- Latitude by D. R. ° ′ ″
- Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 1850 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 88 " 2145 "

Hour.																		
P. M.	At anchor.																	
1		SW.		S.SW.	3			30 23	87	84	77		bc	ci.		1		
2		SW. by S.		"	3			30 22	87	84	78		"	Cu.		2		
3		"		"	3			30 21	87	84	78		"	"		3		
4		SW		"	4			30 19	86	83	77		"	"		3		
5		SW. by S.		SW. by W.	3			30 18	86	83	77		"	ci-cu		3		
6		"		"	3			30 17	84	79	75		"	"		5		
7		SW.		SW.	3			30 17	81	79	76		"	a.cu		9		
8		"		"	3			30 17	80	78	76		"	"		6		
9		SW. by W.		S.SW.	4			30 17	80	77	76		"	"		6		
10		W. by W.		W.S.W.	3			30 18	80	76	75		bcu	"		3		
11		W. N. W.		West	2			30 17	80	76	75		"	"		3		
Mid.		"		"	2			30 17	79	76	75		"	ai		2		

under the command of Commander Frank Courtis, U. S. Navy,

Friday, March 9th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Light N.W. airs first half. Calm latter half. At 1:35 the moon set.

C. C. Jahs
Lieut, U.S.N.

4 to 8 A.M.

Clear and fine. Steady dew first hour. Calm and light airs from North. Barometer about steady. Finished distilling at 5:00 and banked fires in boiler "B".

W. R. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Clear and calm. At 9:02 cleared ship for action in 9 min. At 9:11 went to general quarters, divisions ready as follows:- 1st, 1½ min.; 2nd, 3 min.; 3rd, 1½ min.; 4th, 1¾ min.; 5th, 2 min.; Rear, 2¾ min.; Powder, 1½ min: all divisions ready in 3 min. Secured from general quarters at 9:15 in 3½ min. Rigged ship at 9:30 in 19 min. At 10:00 armed and equipped boats for distant service, boats ready as follows:- whale boat, 3½ minutes; 2d cutter, 4 min.; 1st cutter, 4½ min.; 3d cutter, 6 min.; 4th cutter, 6 min. Boats were inspected alongside and discharged. By order of the Commanding Officer released J. P. Geary and M. T. Jeter, Ord. Sea., from confinement their terms having expired; and replaced A. B. Cooper, M. Att, and T. J. Dowling, O.S.C., in confinement for 5 days on bread and water, the former for filling the ward room water bucket with slops, and the latter for lying. The Commanding Officer assigned punishments as follows:- A. Hendricksen, Ord. Sea., for gross neglect of duty in failing to report coal passer under the influence of liquor in steam launch, reduced to 2d Class; W. J. Haley, O.S.C., out of uniform, 4 hours extra duty; T. Macfeat, and J. W. Kyle, Ord. Sea., for creating disturbance on gun deck, 6 hours extra duty; and C. Barnes, O.S.C., being in barber's chair while drill was in progress, 9 hours extra duty. Served the specifications of a Summary Court Martial on T. Ahearn, Coal Passer. Cleaned and disinfected bilges. British barkentine "Rita" came down from Caimanera and anchored.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Gentle to moderate breezes from S.S.W. Made weekly test of magazine & shell rooms drains and flood cocks and found them in good order.

C. C. Jahs
Lieut, U.S.N.

4 to 8 P.M.

Cloudy and pleasant. Gentle W.N.W. by S. Fly to S.W. by S. breezes.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Moderate to gentle breezes from S.S.W. to West. Bright moonlight.

C. C. Jahs
Lieut, U.S.N.

Examined and found to be correct.

F. F. Leafer,
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Guantanamo Bay, Cuba

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each unit.	State of the Sea.
A. M.																		
1	At anchor			W.N.W.	W.N.W.	1			30.16	79	75	74		bew.	Cu.		5	
2				N.W.	North	1			30.13	76	75	74		"	a.cu.		5	
3					N.N.W.	1			30.12	78	74	73		"	"		3	
4				North	North	1			30.11	77	73	72		"	"		2	
5				"	"	1			30.12	78	73	71		"	"		2	
6				N.N.E.	"	1			30.13	76	72	69		"	"		3	
7				"	"	1			30.14	76	73	70		be.	a.cu.		3	
8				N.by E.	"	1			30.15	76	75	71		"	"		3	
9				N.N.E.	N.N.W.	1			30.17	79	77	72		bew.	Cu.		1	
10				E.N.E.	"	1			30.19	86	84	78		"	"		1	
11				S.W.	S.W.	1-2			30.19	84	82	77		be.	"		1	
Noon.				"	"	3			30.17	85	84	79		"	"		2	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Air 82 — 79 78
Longitude by ° ′ ″

Position at noon:
Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 650 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 88 " 345 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, each unit.	State of the Sea.
P. M.																		
1				S.W.	S.W.	3			30.16	85	84	79		bc.	Cu.		2	
2	40		0.0	"	"	3			30.14	85	84	79		"	"		2	
3	1	9	1.9	S.by E. ½ E.	"	3			30.12	85	84	79		"	"		3	S.
4	3	7	5.6	S.by E.	"	4			30.11	84	82	77	79	"	"		3	"
5	5	1	12.5	S.S.W.	"	4			30.11	85	80	77	79	"	a.cu.		3	"
6	3	2	16.2	"	"	3			30.11	82	78	76	79	"	Cu.cu.		4	"
7	1	0	16.6	East	South	1			30.12	81	78	76	79	"	a.cu.		5	"
8	0	0	16.6	Ran steam up	Calm	0			30.13	81	79	77	79	"	"		3	"
9	0	0	—	Hauling the log	S.E.	1			30.14	81	79	75	79	"	"		4	"
10	3	0	19.0	W.by S.	"	1			30.15	81	78	75	79	"	"		5	"
11	5	5	24.5	W.½S.	N.E.	1			30.15	80	78	74	79	"	Cu.cu.		7	"
Mid.	5	0	29.5	"	N.W.	2			30.14	76	76	73	79	"	"		8	"

under the command of Commander Frank Curtis, U. S. Navy,

Saturday, March 10th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light variable airs. Barometer falling. Moon set at 8:16.

Ensign, USN.

4 to 8 A.M.

Clear and pleasant. Light North'ly airs. Barkentine "Rita" left harbor at 6:00. Began distilling into ships tanks at 7:50 using boiler "B".

Ralph Earle
Ensign, USN

8 A.M. to Meridian.

Fair and warm. Light N.W. airs first half; light to gentle S.W. breezes second half. At 9:30 a Summary Court-Martial convened on board for the trial of T. Ahearn (C.P.). S.C.M. adjourned at 10:07 to await action of convening authority. At 9:45 let fires in boiler "A". Securing for sea. Hoisted steam launch. General field day during first part of watch.

C. M. Fahs
Lieut, USN.

Meridian to 4 P.M.

Clear and warm. Gentle to moderate breezes from S.W. Barometer falling slowly. Finished securing for sea. Called all hands at 2 o'clock and got underway. At 2:40 put over log reading 0 and set the course S. by E. ½ E. At 3:00 changed course to S. ½ E. and at 3:15 to S. ¾ E. At 3:30 the Engineer Officer reported ~~ready~~ ~~and~~ at the same time made all sail proceeded under sail. At 3:40 uncoupled propeller. Tested life buoys and found them in good condition. Draft of ship. For'd 18'-10"; amidships, 15'-8"; and aft 16'-0". At end of watch under all sail save mainsail and spanker. Cuba in plain sight on port hand throughout the watch. At 3 Guantanamo Br. bore N. ½ W. distant 1 mile. P.I. 19.

Ensign, USN.

4 to 6 P.M.

Clear and pleasant. Moderate and gentle breezes from S.W. Barometer steady. At 5:15 mustered at quarters. No absentees. On course E. ¾ S. (P.S.C.), until 4:52 when course was changed to E. ¾ N. (P.S.C.) P.I. reading 10.5. At 4:25 set spanker. Ship steady. On course E. ¾ N. (P.S.C.) under all sail except mainsail. At 6 took in spanker.

W. J. Marion,
Ensign, USN.

6 to 8 P.M.

Clear and fine. Light airs from South and calm. Ship under jib, flying jib, fore and main topmast staysails, foresail, topsails, top gallantsails, royals and main topsail. On course E. ¾ N. till 6:30 when wind failed. At 6:30 took in topsail and maintopmast staysail. Ship about steady.

F. R. Baldwin Ensign, USN.

8 P.M. to Midnight.

Fair to cloudy and pleasant. Light airs and breezes from S.E. shifting to N.E. and N.W. At 8:20 took in and furled royals and topgallantsails. Hauled in log at 8:00. At 8:35 to 8:50 wore ship and set main topsail. At 9:40 Separators went completed on engine, went ahead under steam, and put over log reading 16.6. At 9:45 took in and furled all sail. Until 9:00 ship had no steerage way after that and until 10:00 on course W. by S. (P.S.C.). At 10:00 put ship on course W. ½ S. (P.S.C.) log 19.0. Sighted Guantanamo light at 10:30. At end of watch under steam alone on course W. ½ S. (P.S.C.) log 29.5. Av. steam 45. Av. revs. 81.

Ralph Earle,
Ensign, USN

Examined and found to be correct.

F. F. Leeper.
Lieut. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

	Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
	A. M.							P											
	1	5	8	35.9	W½S.	N.W.by W.	3	2°		30 12	78	77	76	79	b.cw	cu.n.		6	S.
	2	6	6	41.9	"	"	4	3°		30 10	78	77	76	79	"	ci.		1	"
	3	7	1	49.0	"	North.	4	3°		30 09	76	76	75	79	b.c	cu.		2	"
	4	5	2	54.2	"	"	3	3°		30 09	76	76	75	79	"	"		1	"
	5	3	4	57.6	"	"	3	3°		30 09	75	76	75	79	"	"		1	"
	6	4	4	62.0	"	"	3	3°		30 10	75	76	75	79	"	"		5	"
	7	4	5	66.5	"	"	3	2°		30 12	76	76	75	79	"	ci.cu		4	"
	8	2	4	68.9	"	"	2	-		30 13	78	76	74	79	"	"		5	"
By Chip log	9	1	0	68.9	"	North.	1	-		30 15	81	78	75	79	"	"		3	"
"	10	1	0	68.9	W.S.W.	N.N.W.	2	-		30 16	81	79	76	79	"	"		1	"
"	11	0	6	68.9	"	"	1	-		30 17	83	82	79	79	"	cu.		2	"
	Noon.	2	3	71.2	W.½S.	"	1	-		30 17	84	83	75	79	"	ci.		2	"

Position at 8 A. M.: Latitude by DR 19° 43' 00" N. Mag. Temp.
Longitude by Obs 75° 32' 45" W. For. Aft.
Position at noon: Latitude by observation 19° 34' 28" N. 82- 80-78
Longitude by observation 75° 38' 10" W.
Latitude by D. R. 19° 42' 40" N.
Longitude by D. R. 75° 53' 00" W.
Course made good since preceding noon: S. 64° W.
Distance made good since preceding noon: 31. miles.
Distance by Log since preceding noon: 71.2 miles.
Current per hour: .75 miles, set S.61°E. true.
Position at 8 P. M.: Latitude by DR 19° 29' 30" N.
Longitude by Obs 76° 24' 00" W.
Variation of compass: from chart. 2° 18' E. by
Error of compass observed at 5:41 0° 57' W. by
Deviation of compass on W. ¾S. 3° 15' W. by
Water expended during the preceding 24 hours, 55-0 gallons.
Water distilled during the preceding 24 hours, 145-0 "
Water remaining on hand fit for use at noon, 2300 "
Coal consumed during the preceding 24 hours, 4 tons, 1440 lbs.
Coal remaining on hand at noon, 83 " 1145 "

P. M.																			
1	5	0	76.2	W.½S.	N.N.W.	1		30 15	84	82	78	79	b.c	cu.cu		3	S.
2	5	5	81.7	"	"	1		30 14	84	82	78	79	"	" ci. cu.		4	"
3	5	4	87.1	"	Calm.	0		30 12	84	82	78	79	b.cw	"		4	"
4	5	7	92.8	"	"	0		30 11	86	82	77	79	"	"		3	"
5	5	5	98.3	"	"	0		30 11	81	82	77	79	"	"		3	"
6	6	0	4.3	"	West	1		30 11	81	80	76	79	"	"		3	"
7	5	7	10.0	"	"	1		30 11	80	79	77	79	b.cw	ci.		2	"
8	6	0	16.0	"	"	1		30 11	80	79	77	79	"	"		1	"
9	4	5	20.6	W.½N.	"	1		30 11	79	79	74	79	b.c	cu.		1	"
10	5	8	27.4	"	"	1		30 11	78	78	74	79	"	"		1	"
11	5	9	33.3	"	"	1		30 11	78	78	74	79	"	"		1	"
Mid.	5	4	38.7	"	W.S.W.	1		30 09	78	78	74	79	"	"		1	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, March 11th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair to clear and pleasant. Gentle to moderate breeze from N by W to North. Barometer falling. At 12:15 set fore and aft sail and foresail. At 1:10 Guantanamo Light was abeam distance 8 miles. At 2:50 took in flying jib. At 3:00 made sail to topgallantsails and uncoupled propeller at 3:15, banking fires under one boiler and kept the other for distilling. At 3:40 set royals and flying jib. Course W. ½ S. (P.S.C.). Average steam pressure 45. Revolutions 38. Moon set at 2:50.

W. J. Manon
Ensign, U.S.N.

4 to 8 A.M.

Clear and pleasant. Gentle decreasing to light breezes from North. Barometer rising slowly. On course W. ½ S. (P.S.C.) under all plain sail except mainsail. Ship steady.

W. J. Manon
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and fine. Light airs to light breezes from North and N.N.W. Course W. ½ S. but unable to make it after first hour. Headed off to W.S.W. Under all sail except mainsail. Spanker and trysail in from 8:30 to 9:00. At 9:30 mustered at quarters, no absentees. The Captain inspected the crew at quarters and the ship. Held divine service at 10:00. At 11:20 called "all hands," shortened and furled sail, except fore and aft sail. And at 11:30 went ahead on engines of 6 knots reading 69.0. Course W. ½ S. At 11:40 hauled down all fore and aft sail. At 11:30 stopped distilling. Av. steam 45. Av. revolutions 38.

J. K. Baldwin
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and warm. Light N.N.W. breezes and calms. Under steam alone on course W. ½ S. (P.S.C.), log 92.8 at end of watch. Av. steam 43. Av. revs. 319.

Joseph Bass
Ensign, U.S.N.

4 to 6 P.M.

Clear and pleasant. Light airs from West and calms. Barometer steady. Steaming. Course W. ½ S. (P.S.C.). Ship steady. Average steam pressure 47. Average revolutions 33.4.

W. J. Manon
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Bright moonlight. Light airs from West. Barometer steady. On course W. ½ S. (P.S.C.) under steam alone. Average steam pressure 47 lbs., average revolutions 34.4. Ship steady.

W. J. Manon
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Light airs from West and W.S.W. On course W. ½ S. till 5:15 when changed course to W. ½ N. p.l. reading 70.1. Under steam. Bright moonlight. Ship steady. Av. steam 47. Av. revs. 34.

J. K. Baldwin
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	5	3	44.0	W.½N.	W.by S.	2			30.10	79	77	74	79	bow	a.au		2	S.
2	5	4	49.4	"		1			30.08	78	76	74	79	"	"		2	"
3	5	9	55.3	"	W.by N.	1			30.06	77	75	74	79	"	"		3	"
4	6	4	61.7	"	N.W.by W.	2			30.06	77	75	74	79	"	"		2	"
5	6	1	67.8	"	"	2			30.06	77	73	72	79	"	"		1	"
6	6	4	74.2	"	N.N.W.	4			30.06	76	73	70	78	lbc	c.		5	"
7	7	1	81.3	"	N.by W.	5			30.09	74	72	68	78	"	"		4	"
8	7	3	88.6	"	North	6			30.11	74	73	68	79	"	"		2	"
9	6	5	95.1	W.by N.	"	5			30.13	75	74	69	78	"	ci.		1	"
10	5	4	0.5	"	"	4			30.14	76	75	68	78	"	"		1	"
11	2	5	5.9	West	"	4			30.14	78	75	69	78	"	"		1	"
Noon.	7	1	12.0	W.½S.	"	5			30.14	76	75	70	78	"	"		1	"

Position at 8 A. M. { Latitude by DR. 19° 35' 00" N. / Longitude by Obs. 77° 18' 15" W.

Mag. Temp. For. Aft. 81 – 78-78

Position at noon: { Latitude by observation 19° 30' 19" N. / Longitude by observation 77° 49' 10" W. / Latitude by D. R. 19° 35' 00" N. / Longitude by D. R. 77° 5-8' 00" W.

Course made good since preceding noon: S. 88° W.

Distance made good since preceding noon: 126.5 miles.

Distance by Log since preceding noon: 141.8 miles.

Current per hour: 0.4 miles, set S. 59° E. true.

Position at 8 P. M. { Latitude by Obs. 19° 24' 00" N. / Longitude by Obs. 78° 35' 00" W.

Variation of compass: from Chart 8° 07' Ely.

Error of compass observed at 4:42 0° 38' W.

Deviation of compass on W.S.W. ½ W. 2° 45' W.

Water expended during the preceding 24 hours, 55-0 gallons.

Water distilled during the preceding 24 hours, 15-0 "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, 7 tons, 1980 lbs.

Coal remaining on hand at noon, 76 " 1465 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.							°											
1	6	3	18.3	West.	North	5	6°		30.12	75	76	70	78	b.	Sme		0	S.
2	6	2	24.5	"	"	5	5°		30.11	75	75	70	78	"	"		0	"
3	4	9	29.4	"	"	4	6°		30.10	76	75	70	78	"	"		0	"
4	4	0	33.4	W.½S.	N.by W.	4	6°		30.10	76	73	70	78	"	"		0	"
5	3	6	37.0	W.by S.	N.N.W.	3	3°		30.09	76	74	71	78	"	"		0	"
6	2	9	39.9	S.W. by W.½W.	N.W.by N.	3	–		30.10	76	75	71	78	"	"		0	"
7	4	6	44.5	S.W.by W.	"	3	–		30.12	76	75	71	78	"	"		0	"
8	3	0	47.5	"	"	3	–		30.13	78	75	71	78	"	"		0	"
9	4	3	51.8	W.S.W.	"	3	3°		30.15	77	74	72	78	bw	"		0	"
10	4	3	56.1	W.S.W. ¼ W.	N.N.W.	3	3°		30.15	77	74	72	78	"	"		0	"
11	5	0	61.1	W.½S.	North	4	4°		30.14	77	76	73	78	"	"		0	"
Mid.	5	9	67.0	West.	"	5	6°		30.15	77	76	73	79	"	"		0	"

under the command of Commander Frank Courtis , U. S. Navy,

Monday, March 12th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light variable airs and breezes from W. by S. to N.W. by W. Moon set at 3:35. At 10:30 set all fore and aft sail, and took them in at 1:30; set them again at 3:30. At end of watch under steam and all fore and aft sail, on course W. ½ N. (P.S.C.) Log 61.7 Av. steam 46.5. Av. revs 93

Ralph Earle,
Ensign, U.S.N.

4. to 8. A.M.

Clear and pleasant. Light breeze from N.W. by W. to fresh breeze from North. Barometer rising. At 5:45 set foresail and at 6:15 took in flying jib. Steaming, with fore and aft sail and foresail. Course W. ½ N. (P.S.C.). Revolutions 87. Steam 48. Sighted land on starboard hand at daylight.

Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Moderate and stiff breeze from North. Barometer rising slowly first part, then steady. At 8:15 set fore topsail and about 8:30 the main topsail, and fore and main topgallant studdingsails, and at 9:10 the royals and flying jib. About 8:35 stopped engine, and uncoupled propeller and banked fires under boiler "A" retaining boiler "B" in use for auxiliary purposes. Started distiller and sent distilled water forward to ships tanks about 8:40. At 9:30 called all hands aft and the S.C.M. record in the case of Timothy Ahearn (C.P.). He was sentenced to discharge from the service with bad conduct discharge. Mustered at quarters (no absentees) and then drilled as per routine. By order of the Commanding Officer released from confinement T. Ahearn (C.P.). By order of the Commanding Officer the Summary Court for the trial of Timothy Ahearn (C.P.) and others, is hereby dissolved. Punishments awarded by the Commanding Officer: J. P. Leary (A.S.C.), gross insolence to and refusing to obey orders of Master-at-Arms — confinement in double irons for 10 days; R. G. Berry (A.S.C.), shirking from his station at furling sail — 1½ hours extra duty; J. Erby (A.S.C.) out of uniform at quarters — 4 hours extra duty. Under all plain sail (except mainsail) on course W. by N. (P.S.C.) At 8:00 changed course to West. Full and by last hour, attd. tack, making W. ½ S.

W. Jamanon
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Hazy around horizon. Moderate to stiff breeze from North and N. by W. Under all sail except mainsail on course West. Last hour sailing full and by making W. ½ S. Ship heeled about 5° to port and steady.

J. C. Baldwin Ensign U.S.N.

4 to 6. P.M.

Clear and pleasant. Gentle N.W. by N. to N. by W. breeze. At 5:15 went to quarters and held setting up drills. At 5:46 hove to, lowered whale boat, picked up a hammock that had been dropped overboard, hoisted whale boat, and at 6:05 put ship full and by again. A sailing ship on port bow was sighted from masthead. Ship on starboard tack. Steering full and by making W. by S. first hour, and S.W. by W. ½ W. (P.S.C.) last hour, under all sail save mainsail.

Ralph Earle
Ensign, U.S.N.

6 to 8. P.M.

Fair and pleasant. Bright moonlight. Gentle breeze from N.W. by N. (Course West (P.S.C.), but steering full and by. All sail set save mainsail. Ship about steady.

Chas. Fahs
Lieut, U.S.N.

8. P.M. to Midnight.

Clear and pleasant. Hazy around horizon. Bright moonlight. Gentle to stiff breeze from N.W. by N. to North. Barometer steady. Ship steadily steady. Under all sail save mainsail. Full and by until 10:40, after which on course West (P.S.C.)

W. Franklin
Ensign, U.S.N.

Examined and found to be correct.

F. F. Lucas,
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.							8											
1	5	8	72.8	West	N. by E.	4	4°	1/4	30.13	77	76	72	79	bc	Cu.		4	S.
2	5	7	78.5	"	"	4	3°	1/4	30.13	77	76	72	79	"	"		3	"
3	5	1	83.6	"	"	4	3°	1/4	30.12	76	76	72	79	"	"		5	"
4	3	4	86.9	W. 3/4 N. W. 3/4 W.	N. E. by N.	5	4°	1/4	30.12	76	75	72	79	"	"		2	"
5	6	4	96.9	"	"	5	4°	1/4	30.13	76	75	72	79	"	"		3	"
6	6	4	3.3	"	N. N. E.	5	4°	1/4	30.15	76	75	72	79	"	"		4	"
7	6	8	10.1	"	"	5	4°	1/4	30.16	77	75	72	79	"	Cu.		5	"
8	6	3	16.4	"	N. E.	5	4°	1/4	30.19	79	76	73	79	"	"		4	"
9	6	9	23.3	"	"	5	5°	1/4	30.21	78	79	74	79	"	Cu.		2	"
10	7	4	30.7	"	N. E. by E.	5	5°	-	30.22	78	79	75	78	"	"		3	"
11	6	7	37.4	"	"	5	3°	-	30.23	80	74	72	78	bcm.	F. Cu		2	"
Noon.	7	7	45.1	"	"	5	3°	-	30.21	79	78	72	78	"	"		1	"

Position at 8 A. M. { Latitude by DR — 19° 23' 00" N. Mag. Temp. Alt.
Longitude by Obs. — 79° 31' 00" W. For. 80 — 79-76.

Position at noon: { Latitude by observation — 19° 22' 42" N.
Longitude by observation — 80° 02' 57" W.
Latitude by D. R. — 19° 26' 30" N.
Longitude by D. R. — 80° 03' 00" W.

Course made good since preceding noon: S. 87° W.

Distance made good since preceding noon: 128 miles.

Distance by Log since preceding noon: 133.1 miles.

Current per hour: .16 miles, set South true.

Position at 8 P. M. { Latitude by Obs. — 19° 39' 00" N.
Longitude by Obs. — 80° 52' 30" W.

Variation of compass: from chart — 2° 40' E'ly.

Error of compass observed at 4:52 — 0° 36' W'ly.

Deviation of compass on W. N. W. — 3° 16' W'ly.

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 1650 "

Water remaining on hand fit for use at noon, 3000 "

Coal consumed during the preceding 24 hours, 1 tons, 1960 lbs.

Coal remaining on hand at noon, 73 " 1745 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	2 4	1 2	47.2 51.6	W. N. W. 3/4 W. W. N. W.	N. E. by E.	5	3°		30.20	79	78	74	78	bc	Cu.		3	N.
2	7	0	58.4	"	"	5	4°		30.19	79	78	74	78	"	"		3	"
3	5	0	63.4	"	"	4	3°		30.18	79	78	74	78	"	"		5	"
4	5	4	68.8	"	"	4			30.17	79	78	74	78	"	"		3	"
5	5	8	74.6	"	"	4			30.16	79	78	74	78	"	Cirrus		1	"
6	4	9	79.5	"	E. N. E.	4			30.17	78	76	74	78	bcm.	Cu.		3	"
7	5	4	84.9	"	"	4			30.18	78	77	72	78	bc.	F. Cu		1	"
8	5	0	89.9	"	East.	4			30.19	78	77	72	78	b.	None.		0	"
9	4	1	94.0	"	"	3			30.20	78	77	72	78	"	"		0	"
10	3	5	97.5	"	E. by S.	3			30.22	78	77	71	78	"	"		0	"
By Chip	2	5	0.0	"	"	2			30.22	78	77	71	78	"	"		0	"
2 Mid.	2	4	2.4	"	"	2			30.20	78	77	71	78	"	"		0	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, March 18th. , 1890.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Moon set behind a cloud bank about 4:00. Moderate breeze from N. by E. and stiff breeze from N. E. by N. Barometer falling slowly. On course W. by S. (P.S.C.) until 3:20 when course was changed to W. by N. (P.S.C.) & D. 8½. At 3:45 changed course to W. N. W. ¾ W. (P.S.C.) & D. 89.1. Under all plain sail except mainsail. Ship about steady, but pitching slightly at intervals.

W. F. Manson
Ensign, U.S.N.

4 to 8 A.M.

Clear and fine. Hazy around horizon first hour. Stiff breeze from N. E. by N. and N. E. Barometer rising. On course W. N. W. ¾ W. Under all sail except mainsail. A sail in sight on starboard bow. At 7:15 lost a hammock overboard. Hove to but having lost sight of hammock proceeded on course immediately.

F. R. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Stiff N. E. by E. veering to N. E. by E. breeze. At 9:30 went to fire quarters, divisions ready as follows:- 4th, ½ min.; 1st, ¾ min.; Main, 1 min.; 3d, 1½ min.; Powder, 2 min.; 2d, 2½ min.; 5th, 3 min. Secured at 9:35. Mustered at quarters, no absentees, and held routine divisional drills. The Commanding Officer assigned the following punishments:- C. V. Eddings, A. B. C., spitting on deck, 4 hours extra duty; F. Manser, A. B., gross carelessness in leaving another boy's hammock overboard, compelled to replace it; J. Welsh, A. B. C., asleep on lookout, one week's extra duty. At 11:40 sighted land, Little Cayman Island, bearing about N.W., from fore royal yard. A barkentine in sight on port hand standing to W'd. On course W. N. W. ¾ W. (P.S.C.), under all sail, log 45.1 at end of watch. At 11:50 stopped distilling and banked fires under boiler "B."

Rodolphe Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Stiff to moderate breeze from N. E. by E. All sail set save mainsail. At 12:20 changed course from W. N. W. ¾ W. (P.S.C.) to W. N. W. (P.S.C.). P. & V. 47.2. Barkentine spoken of in preceding watch was far ahead on port bow at end of watch. Ship nearly steady.

Chas. Stokes
Lieut., U.S.N.

4 to 6 P.M.

Clear and pleasant. Moderate breeze from E. N. E. by E. and E. N. E. Barometer falling. At 5:00 exercised at reefing topsails for half an hour. Under all sail above mainsail. Course W. by N. W. (P.S.C.). Ship nearly steady. Barkentine in sight on port bow.

W. F. Manson
Ensign, U.S.N.

6 to 8 P.M.

Clear and pleasant. Bright moonlight. Moderate breezes from E. N. E. and East. Barometer rising slowly. Ship nearly steady. About 7:15 sighted two points on starboard bow a steamer, which passed to eastward. Under all plain sail except mainsail on course W. N. W. (P.S.C.). At 7:55 hauled down main topmast staysail.

W. F. Manson
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Bright moonlight. Light to gentle breeze from East, and E. by S. On course W. N. W. Under all sail except mainsail and main topmast staysail. At 8:10 hauled down fore topmast staysail.

F. R. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, From.	Amount, eighths.	State of the Sea.
A. M.																		
1	3	7	61	W. by W.	East.	3			30 19	78	76	72	78	bc.	Cu.		2	S.
2	4	2	10.3	"		3			30 17	78	76	72	78	"	"		3	"
3	4	6	14.9	"	E. by E.	3	8°		30 16	78	77	73	78	"	ci-cu.		4	"
4	4	4	19.3	"	"	3	8°		30 15	77	77	73	79	"	"		4	"
5	4	3	23.6	"	"	3			30 15	78	77	73	79	"	"		3	"
6	3	5	27.1	"	E. by N.	3			30 16	79	77	73	79	"	Cu.		7	"
7	3	0	30.1	"	E. by E.	3			30 19	80	77	73	79	"	"		5	"
8	3	1	33.2	"	"	3			30 20	83	78	74	79	"	"		5	"
9	3	9	37.1	"	"	3			30 23	85	80	76	79	"	"		2	"
10	3	9	41.0	"	"	3			30 23	85	80	76	79	"	"		2	"
11	3	1	45.5	N.W. by W. ½ W.	East.	4			30 22	84	82	77	79	bcm	"		2	Sm
Noon.	4	7	50.9	"	E. by S.	4			30 21	85	82	77	79	"	"		2	"

Position at 8 A. M.: Latitude by DR. 19° 56' 00" N. Mag. Temp. Aft
Longitude by Obs. 81° 39' 00" W. For. Aft 78-76

Position at noon: Latitude by observation 19° 58' 00" N. 80-
Longitude by observation 81° 58' 00" W.
Latitude by D. R. 20° 05' 30" N.
Longitude by D. R. 81° 44' 30" W.

Course made good since preceding noon: N. 72° W.

Distance made good since preceding noon: 116.5 miles.

Distance by Log since preceding noon: miles.

Current per hour: 0.65 miles, set S. 60° W. true.

Position at 8 P. M.: Latitude by Obs. 20° 17' 35" N.
Longitude by Obs. 82° 23' 00" W.

Variation of compass: from chart. 3° 05' E. by

Error of compass observed at 5:39 21' E. by

Deviation of compass on N. W. by W. 2° 44' W. by

Water expended during the preceding 24 hours, 550 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2450 "

Coal consumed during the preceding 24 hours, tons, 800 lbs.

Coal remaining on hand at noon, 73 " 945 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, From.	Amount, eighths.	State of the Sea.
P. M.																		
1	0 3	8 8	51.1 54.9	N.W. by W. ½ W. N.W. by W.	E. by S.	4			30 19	85	82	77	79	bcm.	Cu.		2	S.
2	5	1	60.0	"	"	4			30 17	85	82	77	79	"	"		2	"
3	5	2	65.2	"	"	4			30 15	82	78	74	79	"	a-cu		6	"
4	5	4	70.6	"	"	4			30 13	82	77	74	79	"	"		9	"
5	5	4	76.0	"	East.	4			30 13	80	76	74	79	"	"		8	"
6	5	6	81.5	"	"	4			30 13	79	76	74	79	"	"		9	"
7	5	3	86.8	"	"	4	2°		30 13	79	76	74	79	"	"		8	"
8	5	0	91.8	"	"	4	8°		30 15	79	76	74	79	bcum	"		7	"
9	5	2	97.0	W. by W.	"	4			30 15	78	76	73	78	bc.	"		7	"
10	4	7	1.7	"	E. by S.	4			30 14	78	76	73	78	"	"		2	"
11	4	9	6.6	"	E. by E.	4			30 13	79	77	75	78	"	Cu.		3	"
Mid.	5	3	11.9	"	S. E.	4			30 12	79	77	75	78	"	"		4	"

under the command of Commander Frank Courtis , U. S. Navy,

Wednesday, March 14th , 1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Gentle East by hauling to S.W. & W by breeze third hour. Bright moonlight. At 3:00 set fore and main topmast staysails. At end of watch under all sail on course W. by W. (P.S.C.) log 19.3

Ragsdale Sarles,
Ensign, USN.

4 to 8 A.M.

Cloudy and pleasant. Gentle breeze from S.W. to E.S.E. Moon set at 4:50. Course W. by N. W. (P.S.C.). All sail set save mainsail. At 7:45 took in ball fore and aft sail save the jib. Ship steady.

C. McK. Parks
Lieut. USN.

8 A.M. to Meridian

Clear and pleasant. Gentle to moderate breeze from S.S.E. to East. Barometer falling slowly. At 9:30 went to general quarters after which held bag inspection. At 10:30 changed course to N.W. by W. 1/2 W. (P.S.C.). Ship nearly steady. At 11:15 set main topsail and at 11:45 set spanker. At end of watch under all sail save mainsail, main topmast staysail, and fore topmast staysail, and flying jib. By order of the Captain A. B. Cooper (Mr. att.) and T. J. Hawling (Q.M.C.) were released from confinement, their terms having expired.

J. Murphin
Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Misty. Moderate breeze from S by S. Barometer falling slowly. Aired bedding from 1:00 to 3:00. On course N.W. by W. 1/2 W. (P.S.C.) until 12:15 when course was changed to N.W. by W. (P.S.C.), Lg. 51.1. At 12:15 set flying jib and main topmast staysail. At 1:50 hauled down main topmast staysail for repairs and set it again at 3:40. Ship nearly steady. Under all plain sail except fore topmast staysail and mainsail.

W. H. Standley
Ensign, USN.

4 to 6 P.M.

Fair and pleasant. Moderate breeze from East. On course N. W. by W. under all sail except fore topmast staysail. At 5:00 exercised at reefing topsails and furling flight sails, leaving sail as before.

D. Baldwin Ensign, USN.

6 to 8 P.M.

Cloudy and pleasant. Moonlight. Moderate East by breeze. Under all sail save fore topmast staysail, on course N.W. by W. (P.S.C.) until 8 when changed to W.N.W. (P.S.C.) log 91.8.

Ragsdale Sarles,
Ensign, USN.

8 P.M. to Midnight.

Cloudy and pleasant. Bright moonlight. Moderate breezes from East to S.E. Course W.N.W. (P.S.C.). Under all sail save mainsail and fore topmast staysail. At 9:40 took in all fore and aft sail save the jib. At 11:30 set main topsail, spanker, and main topmast staysail. Ship about steady.

C. McK. Parks
Lieut. USN.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion. Form.	CLOUDS. Amount. eighths.	State of the Sea.
A. M.																		
1	5	6	17.5	W.N.W.	S.E.	4			30.12	79	77	73	78	b.c.	Cu.		4	m.
2	5	8	23.3	"	"	4			30.08	78	77	73	78	"	"		2	"
3	5	7	29.0	"	"	4			30.08	78	77	73	78	"	"		1	"
4	6	0	35.0	"	"	4			30.06	79	77	73	78	"	"		2	"
5	5	8	40.8	"	"	4			30.06	80	77	73	78	"	"		2	"
6	6	3	47.1	"	S.E. by S.	4			30.04	81	77	73	78	"	"		3	"
7	6	0	53.1	"	"	4			30.06	82	78	74	78	"	"		5	"
8	5	5	58.6	"	"	4			30.08	81	78	74	78	"	cir. cu.		8	"
9	5	9	64.5	"	"	4			30.10	82	79	75	78	"	cu.		6	"
10	6	4	70.9	"	"	5			30.10	83	80	76	78	"	"		2	"
11	6	4	77.3	"	"	5			30.09	83	80	76	78	"	cu. m.		7	"
Noon.	7	8	85.1	"	"	5			30.06	86	83	78	78	"	"		5	"

Position at 8 A. M.	Latitude by DR.	20° 20' 30" N.
	Longitude by Obs.	83 28 00 W.
Position at noon:	Latitude by observation	20° 53' 37" N.
	Longitude by observation	83° 58' 30" W.
	Latitude by D. R.	20° 56' 30" N.
	Longitude by D. R.	84° 03' 15" W.
Course made good since preceding noon:		N. 64° W.
Distance made good since preceding noon:		127 miles.
Distance by Log since preceding noon:		134.8 miles.
Current per hour:	0.4 miles, set S. 55° E. true.	
Position at 8 P. M.	Latitude by Obs.	21° 25' 30" N.
	Longitude by Obs.	84° 40' 00" W.
Variation of compass:	from chart	3° 33' Ely.
Error of compass observed at 6:09		1° 03' "
Deviation of compass on N.W.		2° 30' W. by
Water expended during the preceding 24 hours,		550 gallons.
Water distilled during the preceding 24 hours,		400 "
Water remaining on hand fit for use at noon,		8300 "
Coal consumed during the preceding 24 hours,		tons, 2000 lbs.
Coal remaining on hand at noon,		72 " 1185 "

Mag. Temp. Aft.
For. 81- 78 76

P. M.						P.	S.										
1	6	9	92.0	W.N.W.	S.S.E.	5	3°		30.04	86	82	78	78	b.c.	a.m.		7	m.
2	6	8	98.8	"	"	5	3°		30.01	86	81	78	78	"	"		7	"
3	6	5	5.3	"	"	5		3°	30.01	87	82	78	78	b.c.	"		5	"
4	6	9	12.2	"	S. by E.	5		3°	29.98	89	81	78	78	b.c.	"		5	"
5	3	6	15.8	N.W.		5	—		29.98	85	81	78	78	"	cu.		4	"
6	5	5	21.3	"	"	4	—		29.98	84	80	78	78	"	"		5	"
7	6	0	27.3	"	"	5	—		29.98	82	78	74	78	"	"		4	"
8	6	3	33.6	"	South	5	—		29.98	80	78	76	78	"	"		5	"
9	4	4	37.9	"	"	5		4°	30.02	87	76	74	78	"	"		3	"
10	6	1	43.4	N.W. by W.	"	5		4°	30.02	83	76	74	78	b.c.	"		3	"
11	6	6	49.0	"	"	5		4°	30.02	84	75	74	78	"	Fra.		4	"
Mid.	3	2	52.2	"	"	5		6°	30.00	82	75	74	78	"	"		7	"
	4	7	62.9	N.W. by W. W.	"	5		6°										

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Bright moonlight. Moderate breeze from S.S.E. Barometer falling. Course W.N.W. (P.S.C.) under all sail save mainsail, flying jib, and fore t'gmast staysail. Ship steady.

Ensign, USN.

4 to 8 A.M.

Generally clear and pleasant, overcast and cloudy last hour. Bright moonlight until 5:20 when moon set. Started distiller about 4:00 and sent distilled water forward about 4:30. Ship steady. On course W.N.W. (P.S.C.) under all plain sail, except fore t'gmast staysail and mainsail.

W. H. Manson
Ensign, USN.

8 A.M. to Meridian.

Cloudy and pleasant. Stiff breeze from S.S.E. by S. On course W. by W. under all sail except fore t'gmast staysail. Beam t'gmast staysail rove from 5:10 to 5:30. At 9:30 mustered at quarters, not absent: sick. Officer conducting quarterly examination of Apprentices. Issuing clothing and small stores. Distilling. Set deck clock back 5 minutes at 11:30. Punishments awarded by the Captain: R. G. Berry (A.S.C.) and Jd C. D. Ampblett (A.S.C.) 4 hours extra duty for using blankets to sleep on about decks.

Ensign, USN.

Meridian to 4 P.M.

Clear to cloudy and hot. Stiff breeze from S.S.E. to S. by E. Serving out clothing and small stores. At 1:00 set fore t'gmast staysail and hauled down jib to mend it, and bunted it at 1:30. At end of watch under all sail on course W.N.W. (P.S.C.) log 12.2.

Rogers Earle,
Ensign, USN.

4 to 6 P.M.

Fair and pleasant. Stiff to moderate breeze from S. by E. Course W.N.W. (P.S.C.). At 4:30 changed course to N.W. (P.S.C.) P.2, 1 to 8. All sail set save mainsail. At 5:30 hauled down flying jib and fore t'gmast staysail, and at 5:40 set flying jib again. Ship nearly steady. Moon rose at 5:45.

C. M. Fahs
Lieut, USN.

6 to 8 P.M.

Clear and pleasant. Stiff breeze from S. by E. and South. Barometer steady. Course N.W. (P.S.C.). Under all sail save mainsail and fore t'gmast staysail. Ship nearly steady. Slight following sea.

Ensign, USN.

8 P.M. to Midnight.

Clear and pleasant. Bright moonlight. Stiff breezes from South. Barometer nearly steady. At 8:26 set fore t'gmast staysail. On course W. by W. (P.S.C.) until 9:15 when course was changed to N.W. by W. (P.S.C.) & P. 37.0 and at 11:06 to N.W. by W. ½ W. (P.S.C.) & P. 5-8.2. About 10:45 Cape San Antonio Lt. was sighted on the starboard bow, bearing N. 24° W. (P.S.C.). It was broad on the bow at 11:45, & P. 6.1.0. Under all plain sail except mainsail. Ship pitching and rolling easily to moderate swell on port quarter.

W. H. Manson
Ensign, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

Hours	Knots	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sameness.	State of the Sea.
A. M.																		
1	7	1	70.0	N.W. by W. ½ W.	South.	5	4°		29.98	87	79	77	78	bcw	ci-cu		4	m.
2	7	1	77.1	"	"	5	4°		29.97	87	79	77	78	bc.	a-cu		7	c
3	5	5	82.6	North	"	5			29.98	87	79	77	78	"	cu		8	m.
4	5	6	89.3	"	S by W.	5			29.99	84	79	77	78	"	cu-m.		8	"
5	5	7	95.0	"	S.W. by S.	5			30.00	86	79	77	78	"	"		7	"
6	6	3	1.3	"	"	5			30.01	84	79	77	78	"	cu.		7	"
7	6	0	7.3	"	"	5			30.02	83	79	77	78	"	"		5	"
8	5	9	13.2	N.	"	5			30.06	83	78	77	78	bcr	min		8	"
9	5	7	18.9	"	"	5			30.08	82	77	76	77	bcpr	cu-m.		9	"
10	4	6	23.6	N.E. ½ N.	N.W. by W.	5	5°		30.08	82	77	76	77	bcpr	"		9	"
11	4	5	27.5	"	N.W.	4	5°		30.09	81	77	76	77	bcp	"		9	"
Noon.	5	8	30.9	E.N.E.	"	5	5°		30.10	81	77	76	77	"	"		9	"
	0	7	31.6	N.E. ½ E.	North	6	5°		30.09	81	77	74	77	"	"		9	"
	3	5	35.1															

Position at 8 A. M.: Latitude by D.R. 22° 22′ 00″ N. Mag Temp.
Longitude by Obs. 85° 09′ 00″ W. Corr Air
22° 29′ 34″ N. 82- 77 76

Position at noon: Latitude by observation
Longitude by observation
Latitude by D. R. 84° 49′ 00″ W.
Longitude by D. R. 84° 50′ 00″ N.

Course made good since preceding noon: Coasting

Distance made good since preceding noon: 144 miles.

Distance by Log since preceding noon: 150 miles.

Current per hour: 0.15 miles, set South true.

Position at 8 P. M.: Latitude by D.R. 22° 53′ 40″ N.
Longitude by D.R. 84° 26′ 00″ W.

Variation of compass:
Error of compass observed at } No observations
Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 950 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 860 lbs.

Coal remaining on hand at noon, 71 " 925 "

Hours	Knots	Tenths	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sameness.	State of the Sea.
P. M.																		
12:20	1	4	36.5	N.E. ½ E.														
1	2	2	38.7	N.E.	North	5-6			30.09	81	77	75	77	ocp	a-cu		10	m.
1 1/4	0	7	39.4	"														
2	2	1	41.5	N.E. ½ N.	"	5-6			30.09	78	77	75	77	"	"		10	"
2:36	2	0	43.5	"														
3	2	1	44.1	N.E. by N.	"	6			30.09	77	76	73	77	oc.	min		10	"
By Chip. 4	4	0	48.1	N.N.E. ½ E.	N. by E.	6			30.11	76	74	71	77	"	cu-m.		10	"
5	3	5	51.6	"	N.N.E.	6			30.14	75	73	71	77	"	"		10	"
6	3	9	55.5	"	"	6			30.15	73	72	70	76	"	"		10	"
7	4	6	60.1	"	"	6			30.15	73	72	69	76	"	st-Cu		10	"
8	4	7	64.8	"	"	6			30.18	73	72	67	76	"	"		10	"
9	4	4	69.2	"	"	6			30.21	73	72	67	76	bc.	"		9	"
10	4	6	73.8	"	N. by E.	5-6			30.22	72	72	67	76	"	"		4	"
11	5	0	78.8	"	"	5-6			30.22	70	70	65	76	"	"		2	"
Mid.	5	0	83.8	"	"	5			30.22	70	70	65	76	"	"		1	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, March 16th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Cloudy last hour. Bright moonlight. Barometer steady. On course N.W. by W. ½ W. under all sail except mainsail. At 12:00 took in royals, flying jib, and spanker. At 1:00 set royals and flying jib again. At 10:47 Capes San Antonio Light bore abeam, distant 7.6 miles, f.p. 68.6. At 2:50 changed course to North (p.s.c.) f.p. 72.6. Took in main topsail and main topmast staysail. At 2:55 San Antonio Light was abeam on new course, f.p. reading 83.4. Ship rolling irregularly 15° each bd., 5° fwd.

Ens. J. P. Baldwin
Ensign, USN.

4. to 8. A.M.

Cloudy to fair with heavy rain last hour. Lightning to N.d. Stiff SW by S ½ S breeze. Moon set at 6:10. Barometer rising. Ship rolling 6 per minute to following sea 10° each side. At 4:50 took in and furled royals and flying jib to a squall. On course North (p.s.c.) until 7:53 when log reading 12.6. Changed to N.E. (p.s.c.). At end of watch on course N.E. (p.s.c.) log 13.3 under square sail to t'gallant sails, jib and fore t'mast staysail.

Ens. J. P. Earle,
Ensign, USN.

8. A.M. to Meridian.

Cloudy and cool. Heavy rain squall during first part of first hour. Stiff to moderate breeze from SW by S. to N.W. shifting latter part to fresh breeze from North. Under all square sail to t'gallant sails, jib and fore t'mast staysail. At 8:30 set royals and flying jib and at 10:15 took them in again, also main t'mast staysail. At 10:30 a small Norwegian steamer passed close by, standing to the S.E. At 10:35 took in the t'gallant sails, then the spanker and main topsail, but set the latter again at 10:40. At 10:50 spread fires under boilers A & B. At 10:55 sent down t'gallant and royal yards and then took in and furled all sail except fore t'mast staysail and main topsail. At 11:20 went ahead full speed with engines. Course at first part of watch N.E. (p.s.c.) but at 8:48 changed course to N.E. ½ N. (p.s.c.) f.p. 7.50. After 10 steering full and by. At 11:10 hove ship on course N.E. ½ E. (p.s.c.) f.p. 91.6. At 9:30 inspected at quarters and then the divisional officers went ahead with examination of the apprentices. By order of the Commander placed W. J. Hogan (1de.) in 5 days solitary confinement on bread and water for absenting himself away on berth deck during this watch on deck. At 11:30 started fires under boiler C. At 11:45 set jib and spanker. Steamer in sight on stbd. bow standing to N.d. Moderate sea on port bow. Ship nearly steady. Steam 60. Revs. 33.9.

Ens. W. Hurlbut
Ensign, USN.

Meridian to 4. P.M.

Cloudy and cool. Stiff and fresh breeze from North to N. by E. Barometer rising. Daily made weekly test of magazine flood and drain cocks; they were found to be in good condition and working order. About 2.00 sighted distant land, one point forward of starboard beam, and later abeam. About 12:20 took in jib and spanker and about 12:25 the main topsail and fore t'mast staysail. On course N. ½ E. (p.s.c.) until 12:20 when course was changed to N.E. (p.s.c.) f.p. 36.5; at 1114 to N.E. ½ N. (p.s.c.) f.p. 39.4; at 2:26 to N.E. by N. (p.s.c.) f.p. 42.5; and at 3:00 to N.N.E. ½ E. (p.s.c.) f.p. 44.1. At 2:35 connected up boiler "C". Ship pitching deeply at times. Under steam. Av. steam pressure 54 lbs.; av. revs. 35.4. Cleaned and disinfected bilges.

Ens. W. B. Gannon
Ensign, USN.

4 to 6 P.M.

Overcast. Stiff breeze from N.N.E. Barometer rising. On course N.N.E. ½ E., under steam three boilers. Ship pitching easily to head sea. At 5:15 piped to quarters, no absentees. Av. steam 57.2. Av. revolutions 41.2.

Ens. J. P. Baldwin
Ensign, USN.

6 to 8 P.M.

Cloudy and overcast. Fresh N.N.E. breeze. Barometer rising. Moon rose about 6:25. Ship pitching to head sea. Under steam on course N.N.E. ½ E. (p.s.c.) log 68.8 at end of watch. Av. steam 57. Av. revs. 46.3.

Ens. J. P. Earle,
Ensign, USN.

8 P.M. to Midnight.

Cloudy first hour. Clear with bright moonlight last three. Barometer rising slowly. Fresh breeze from N. by E to N.N.E. Ship pitching to moderate sea two pts. on port bow. Steaming. Course N.N.E. ½ E. (p.s.c.) Steam 56. Revs. 43.5.

Ens. W. B. Gannon
Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Asst. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Guantanamo to Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	5	88.3	N.N.E. ½ E.	N. by E.	5			30 20	71	64	62	75	bc.	Cu.		2	M.
1127	1	5	54.8															
2	3	9	93.7	E.N.E. ½ E.	"	5			30 19	70	64	62	73	"	"		1	"
3	5	6	99.5	"	N.N.E.	5			30 18	71	65	62	73	"	Cirro.		0	"
4	5	7	5.2	"	"	5			30 19	71	69	65	76	bc.	Cu.		4	"
5	5	7	10.9	"	"	5			30 22	73	69	65	76	"	"		7	"
6	5	1	16.6	"	"	5			30 23	74	69	65	76	"	"		7	"
6/15	4	8	17.8															
7	4	3	22.0	E. ½ N.	"	5			30 25	76	69	65	76	"	"		5	"
8	5	7	27.7	"	"	5			30 27	76	70	66	76	"	"		9	"
9	6	2	33.9	"	"	6			30 28	76	70	66	76	"	"		9	"
10	6	1	40.0	"	"	6	S.		30 30	76	70	66	76	"	"		9	"
11	3	5	45.9	E. by N.	"	5	S'		30 30	75	72	69	77	"	Cu. N.		9	"
Noon.	2	3	50.1	E.N.E. ¾ E.	"	5	S'		30 27	76	73	69	77	"	"		9	"

Position at 8 A. M.: Latitude by DR. 23° 15′ 00″ N. Mag. Temp
Longitude by obs. 83° 23′ 15″ W. For. Aft
Position at noon: Latitude by observation bearings 23° 05′ 15″ N. 81- 77-76
Longitude by observation " 82° 57′ 30″ W.
Latitude by D. R. - ° - ′ - ″ -
Longitude by D. R. - ° - ′ - ″ -

Course made good since preceding noon: Coasting
Distance made good since preceding noon: 134 miles.
Distance by Log since preceding noon: 115·0 miles.
Current per hour: — miles, set — true.
Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″
Variation of compass:
Error of compass observed at } no observations
Deviation of compass on
Water expended during the preceding 24 hours, 5·50 gallons.
Water distilled. during the preceding 24 hours, 2·00 "
Water remaining on hand fit for use at noon, 2350 "
Coal consumed during the preceding 24 hours, 11 tons, 160 lbs.
Coal remaining on hand at noon, 60 " 765 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.																		
1	3	1	51.2	E.N.E. ½ E.														
2	3	7	54.9	E.N.E. ½ E.	N.N.E.	5	5'		30 27	76	73	69	77	bc.	Cu.		9	M.
3	4	2	59.4	N.E. by E. ½ E.	"	5	3'		30 25	76	74	69	77	"	"		8	"
4	4	1	63.6	"	"	6			30 25	77	75	71	77	"	"		8	"
5	4	6	67.7	"	"	6			30 25	77	75	71	77	"	"		8	"
6	4	6	72.3	N.E. by E. ¾ E.	"	6			30 25	78	75	71	77	"	"		8	"
6:10	4	2	76.5	E.N.E. ½ E.	"	6			30 26	78	75	71	77	"	"		7	S.
7	Moored			E.N.E.	E.N.E.	5			30 27	78	75	72	-	"	"		8	-
8				"	"	5			30 27	78	74	71	-	"	"		8	-
9				"	"	4			30 29	75	73	71	-	"	Cu.		6	-
10				"	"	4			30 30	74	72	71	-	"	"		4	-
11				"	"	3			30 29	74	73	72	-	"	"		2	-
Mid.				"	"	3			30 29	74	72	72	-	"	"		3	-

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, March 17th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and cool. Bright moonlight. Stiff breeze from N. by E. and N.N.E. Barometer falling slowly. On course N.N.E. ½ E. (P.S.C.) until 1:17 when course was changed to E.N.E. ½ E. (P.S.C.) Ped reading 29.8. Ship rolling 6 times per minute; maximum roll 22° to starboard and 21° to port. Under steam using three boilers. Average steam pressure 54 lbs., average revolutions 43.

W. J. Manson
Ensign, U.S.N.

4. to 8. A.M.

Cloudy and cool. Stiff breeze from N.N.E. On course E.N.E. ½ E. under steam on three boilers. At 6:15 changed course to E. ¼ N. Ped. 17.8. At 6:30 set fore lifmast staysail. At 6:15 set topsail and jib; At 7:30 spanker, and at 7:40 main lifmast staysail. Land in sight on starb. bow. Ship pitching and rolling to head sea, 15° starb., 10° port. At 6:30 started distilling. Av. str. 55. Av. rev. 43.2.

H. E. Baldwin
Ensign, USN.

8 A.M. to Meridian.

Cloudy. Fresh to stiff N.N.E. by breeze. Ship pitching and rolling at times 15° starb. and 8° port to sea on port bow. On course E. ¼ N. until 9:30 when Log 43.4 changed to E. by N. (P.S.C.), until 11:15 when changed to E.N.E. ¾ E. (P.S.C.) Log 49.8. P.W. Loffe, Eds., received the expiration of his enlistment. At 10:00 stopped distilling. Crew engaged in cleaning ship. Under steam and fore and aft sail save flying jib. Av. steam 54. Av. revs. 48.

Ralph Earle,
Ensign, USN.

Meridian to 4. P.M.

Clear and pleasant. Fresh breeze from N.N.E. Barometer steady. Ship pitching to sea on port bow. At 1:10 took in fore and aft sail. At 1:20 changed course to N.E. by E. ¼ E. (P.S.C.). Land in sight on starb. hand. Morial entrance abeam at 1:30. Sighted Morro Light at 3:40. Took off chafing gear and unbent and set fore, main lifmast staysail. Steam 50. Revs. 41.1.

G. Blue
Ensign, USN.

4. to 6. P.M.

Clear and pleasant. Fresh breeze from N.N.E. Barometer rising slowly. On various courses to the entrance to Havana harbor. At 6:00 stopped and picked up pilot. Hauled in Patent Log at 6:00 reading 75.3. Making preparations for entering port. Under steam alone. Average steam pressure 57 lbs., average revolutions 42.

W. J. Manson
Ensign, USN.

6. to 8. P.M.

Clear and cool. Moderate to stiff breeze from E.N.E. Standing into Havana harbor under conn of pilot. At 6:30 moored with port bower chain to buoy No. 8. Let fires die out. Exchanged numbers with USS Lieutenant. Mun rose about 7:30.

H. E. Baldwin
Ensign, USN.

8. P.M. to Midnight.

Cloudy to clear and pleasant. Bright moonlight. Moderate to gentle E.N.E. by breezes.

Ralph Earle,
Ensign, USN.

Examined and found to be correct.

F. F. Leiper,
Lieut. Navigator.

6—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
A. M.																		
1	Moored.			E. N. E.	E. N. E.	2			29 29	74	73	70		bc	Cu.		2	
2				"	"	2			30 28	74	73	70		"	"		3	
3				N. E. by E.	"	3			30 27	74	73	70		"	"		2	
4				E. N. E.	"	3			30 25	74	72	70		"	"		3	
5				"	"	3			30 26	74	71	69		"	"		2	
6				East	"	2			30 27	75	71	69		"	a. cu		2	
7				"	East	2			30 28	75	72	69		"	"		3	
8				"	"	2			30 30	81	73	70		"	a.		5	
9				"	"	3			30 33	82	75	70		"	"		5	
10				E. N. E.	E. N. E.	3			30 33	80	78	74		"	"		5	
11				"	"	4			30 32	80	78	72		"	"		5	
Noon.				"	"	4			30 31	82	79	74		"	"		4	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Mag. Temp. Dr. 81- Aft. 78-77

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: 25 2 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 505 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1850 "

Coal consumed during the preceding 24 hours, 3 tons, 780 lbs.

Coal remaining on hand at noon, 57 " 485 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, eighths.	State of the Sea.
P. M.																		
1	Moored			N. E.	N. E.	5			30 27	89	79	75		bc	cu.		4	
2				"	"	5			30 27	89	79	75		"	"		4	
3				"	"	5			30 27	91	77	74		"	"		3	
4				N. E. by E.	"	5			30 26	88	76	74		"	"		3	
5				E. N. E.	E. N. E.	4			30 22	82	75	71		"	ci.		1	
6				"	"	3			30 22	78	74	71		"	"		3	
7				"	"	3			30 21	76	73	70		"	"		3	
8				E. by N.	E. by N.	2			30 22	78	73	70		bcw.	Mne		0	
9				E. by S.	East.	3			30 23	76	71	69		bcw	Cu.		1	
10				"	"	2			30 23	75	70	69		"	"		2	
11				"	"	2			30 23	73	70	69		"	"		2	
Mid.				East	"	1			30 23	73	70	69		"	Fcu		2	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, March 18th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Bright moonlight. Light E.N.E. breeze.

C. McFarlo
Lieut. U.S.N.

4. to 8. A.M.

Clear and pleasant. Moonlight till sunrise. Light breezes from East and E.N.E. The Spanish mail steamer Alphonso XII came in.

H. R. Caldwell Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle to moderate East'ly to E.N.E'ly breeze. At 9:30 mustered at quarters; no absentees. The Commanding Officer inspected the ship and crew. The Chaplain held Divine service. The Commanding Officer called officially on the Commandant of the Naval Station, and on the Commanding Officer of the U.S.S. Detroit, and the latter returned the call. The Commanding Officer assigned the following punishments:- J. B. Walton, A.S.C., out of uniform at Sunday inspection; F.A. Williams, 2nd C.R. Asst, A.S.C., torn watch marks; E.S. Park, T. Macfest, and D. Donovan, A.S.C., no watch marks; and W.H. Johnson, W.H. Daly, R.G. Berry, G.B. Tamke, E.N. Barnes, and W.F. King, A.S.C., dirty at Sunday Inspection, all 5 hours extra duty apiece.

Ralph Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Stiff N.E. breeze.

C. McFarlo
Lieut, U.S.N.

4. to 8. P.M.

Clear and pleasant. Moderate to light E.N.E'ly and E. by N'ly breezes. U.S.S. Dolphin came in at 4:50, asked permission to anchor, which was granted, and moored to #1 buoy at 5:00. At 5:05 a salute of 17 guns was fired from Cabanas.

Ralph Earle
Ensign, U.S.N.

8. P.M. to Midnight.

Clear and cool. Light to gentle breeze from East. Moon rose at 5:20.

C. McFarlo
Lieut, U.S.N.

Examined and found to be correct.

E. T. Langer
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	Moored			E by S	E by S	1			30.20	75	70	68		bcw	Ci-s.		6	
2				E.S.E.	E.S.E.	1			30.18	76	70	69		"	"		6	
3						1			30.16	76	70	68		"	"		7	
4				S.E.	S.E.	2			30.15	76	70	68		"	"		8	
5						2			30.15	76	69	68		"	"		8	
6				E.S.E.	"	2			30.15	75	69	67		"	Ci.cu		5	
7				"	E.S.E.	2			30.16	75	74	70		bc	"		5	
8						2			30.17	75	76	72		"	"		4	
9				S.E.	S.E.	3			30.17	78	80	75		"	cu		3	
10				S.S.E.		3			30.17	82	81	75		"	"		5	
11				Shy E.	Shy E.	3			30.18	83	87	76		"	Cu		7	
Noon.						3			30.17	85	83	76		"	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 80- 78-76

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1500 "

Coal consumed during the preceding 24 hours, tons, 5-00 lbs.

Coal remaining on hand at noon, 5-6 " 2225 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
P. M.	Moored																	
1				E.S.E.	S.S.E.	3			30.14	86	84	78		bc	Cu		6	
2				South	South	3			30.13	86	86	80		"	"		6	
3				"	"	2			30.12	87	85	79		"	"		4	
4				"	"	2			30.10	85	79	74		"	"		4	
5				"	S.S.E.	2			30.11	85	79	75		"	Fcu		4	
6				"	"	2			30.13	85	79	75		"	"		4	
7				"	South.	1			30.13	84	78	75		bcw	"		3	
8				S.E.	"	1			30.14	84	77	76		"	Cu		1	
9				"	"	1			30.16	83	76	73		"	"		1	
10				"	"	0-1			30.17	82	76	73		"	"		1	
11				S.S.E.	"	0-1			30.17	78	76	74		"	"		1	
Mid.				"	"	0-1			30.17	78	76	74		"	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Monday, March 19th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Fair and pleasant. Light variable airs. Barometer falling.

Ensign, U.S.N.

4. to 8. A.M.

Fair and warm. Light S.E. by E to E.S.E. by breezes. Water lighter came alongside at 6:00 and began to fill ships boilers. At 7:40 sent down t.g.allant masts and housed sail. The lizard on fore t.g.allant mast carried away and the mast falling forward struck F. Platts, Cpl, in shoulder. Made uniform and time signal at 7:30.

Ensign, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle breeze from S.E. to S. by E. Received on Pay Dept. fresh provisions for the crew as follows:- 159 lbs. bread, 177½ lbs. meat, and 198¾ lbs. vegetables. The Commandant of the Naval Station and the Commanding Officer of the "Dolphin" called officially upon the Commander. At 9:30 inspected at quarters. Divisional Officers examining the apprentices during the first period. Scraped and shucked the topgallantmasts and the light yard arm ends. Sent up topgallantmasts and crossed topgallant and royal yards. Receiving fresh water into the boilers from a lighter alongside. The U.S.S. Detroit requested and received by signal permission to get underway and later left the harbor.

Lieut, U.S.N.

Meridian to 4. P.M.

Fair and pleasant. Gentle to light breeze from S.E. and South. Barometer falling. Ran in and turned over, and overhauled slides of main battery guns. Furled sail at 11:45. Tugboat steamer "Mascotte" left harbor at 12:40. Commenced spar exercise at 3:30. Taking fresh water from lighter alongside for ships use.

Ensign, U.S.N.

4. to 8. P.M.

Fair and pleasant. Light S.S.E. breeze. Exercised at spar drill

Lieut, U.S.N.

8. P.M. to Midnight.

Clear and pleasant. Light South'ly airs. Barometer rising slightly. Moon rose at 9:15.

Ensign, U.S.N.

Examined and found to be correct.

Lieut. Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1	Moored			S.S.E.	S.S.E.	1			30 15	75	73	72		bw.	mne		0	
2					"	1			30 14	76	73	72		"	"		0	
3				E.S.E.	East	1			30 14	77	74	72		"	"		0	
4				"	"	1			30 14	77	74	73		bmw	"		0	
5				"	"	1			30 13	76	72	70		"	"		0	
6				E.by.S.	"	1			30 15	74	72	70		bnw.	Cu.		3	
7				"	S.S.E.	2			30 16	75	74	70		bc	"		3	
8				S.S.E.	"	2			30 17	79	78	76		"	"		4	
9				S.by.W.	South	3			30 19	81	80	77		"	Cu.n		5	
10				"	"	3			30 21	83	81	78		"	"		5	
11				S.W.	S.W.	4			30 21	85	82	78		"	Cu.		5	
Noon.				S.by.W.	"	4			30 21	86	84	80		"	"		6	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1150 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 56 " 1765 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
P. M.	Moored																	
1				South.	South.	3			30 21	87	86	81		bc.	Cu.		6	
2				"	"	2			30 21	87	84	79		"	"		5	
3				"	"	3			30 20	89	87	80		"	"		5	
4				S.S.W.	S.S.W.	3			30 21	89	88	82		"	"		4	
5				"	"	3			30 22	90	87	83		"	"		3	
6				South	Calm.	0			30 22	90	84	79		"	"		1	
7				S.E.	"	0			30 24	86	80	76		"	"		1	
8				E.S.E.	"	0			30 24	83	79	76		bnw.	a.cu.		1	
9				S.E.	"	0			30 25	83	78	76		bnw.	mne		0	
10				E.S.E.	"	0			30 25	81	78	76		"	"		0	
11				"	E.S.E.	1			30 25	80	76	75		bw.	"		0	
Mid.				E.by.E.	E.by.E.	1			30 25	79	75	74		bnw.	ai.		1	

under the command of Commander Frank Courtis, U. S. Navy,

Tuesday, March 20th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant, with heavy dew, but misty last four. Bright moonlight. Light airs from S.E. & E. and East. Barometer steady.

W. H. Lamoir
Ensign, U.S.N.

4 to 8 A.M.

Fair and pleasant. Light airs from East to light breeze from S.S.E. At 7:30 made Gen. Sig. 68 # and 700 (Time and uniform) to the "Dolphin". Received in Pay Dept. for the crew fresh provisions as follows - 139 lbs. of bread, and 198½ lbs. of vegetables. The fresh meat was rejected as being unsatisfactory. Taking fresh water from a lighter alongside for ships use.

C. M. Fahs
Lieut, U.S.N.

8. A.M. to Meridian.

Fair and pleasant. Gentle to moderate breeze from South and S.S.W. Barometer rising the first two hours, steady the last two. At 9:30 mustered at quarters after which exercised divisions as per routine. The Captain returned the call of the Commanding Officer of the "Dolphin". Overhauled Battery. Water lighter alongside for ships use.

W. H. Lamoir
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant. Stiff and gentle breeze from South and S.S.W. Barometer steady. Exercised the 3rd. Division at heaving the lead and in boxing the compass. Signals during the watch: "Dolphin" to "Essex" at 3:27, General signal "Interrogatory 513", and "Essex" to "Dolphin"; Affirmative. Several steamers left the harbor.

W. H. Lamoir
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Gentle S.S.W. breeze and calms. Barometer rising. U.S. Army Transport "McPherson" left the harbor at 4:40. Several other steamers left the harbor. At 6 started fires under boiler No. 3 to distill.

W. H. Lamoir
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and pleasant. Moon rose about 10:10. Calm and light airs from E.S.E. to E.N.E. Barometer steady. Started distilled water forward about 10:05.

W. H. Lamoir
Ensign, U.S.N.

Examined and found to be correct.

C. F. Lester
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, subtenths.	State of the Sea.
A. M.																		
1	Moored			E. N. E	Calm.	0			29 25	79	75	74		bw	me		0	
2				East	East.	1			30 25	79	75	74		bw	ci.		1	
3				"	Calm.	0			30 23	78	75	74		"	"		1	
4				"	"	0			30 22	78	75	74		"	"		1	
5				South	"	0			30 21	76	72	71		bmw	me		0	
6				"	"	0			30 23	77	72	72		bmw	bw.		1	
7				E. by S.	"	0			30 24	75	72	71		bsw.	"		2	
8				East	"	0			30 26	84	77	75		"	"		3	
9				"	"	0			30 30	85	84	80		"	"		3	
10				"	"	0			30 30	86	84	81		bc	"		4	
11				N. W. by N.	Smith.	2			30 32	86	84	81		"	a-cu		6	
Noon.				Smith	"	1			30 31	87	85	82		"	"		7	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 80 — 77 — 76

Position at noon:
Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 1800 "

Coal consumed during the preceding 24 hours, 1 tons, 760 lbs.

Coal remaining on hand at noon, 55 " 960 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, subtenths.	State of the Sea.
P. M.	Moored.																	
1				N. N. E	N. N. E.	2			30 29	86	86	80		bc	Fcu		8	
2				N. E.	"	2			30 27	85	85	80		"	A-cu		8	
3				N. E. by E.	N. E.	2			30 25	85	84	79		"	"		9	
4				"	"	3			30 25	84	83	78		"	"		8	
5				N. E. by N.	N. E. by N.	3			30 25	82	82	77		"	A-s.		7	
6				"	"	3			30 25	80	79	76		"	a-s.		8	
7				"	"	3			30 26	81	78	76		bsw	cu.		5	
8				N. E.	N. E.	3			30 26	81	78	75		"	ci.		4	
9				E by N	E. N. E.	2			30 29	82	76	76		"	A-cu		6	
10				E. N. E.	"	3			30 29	82	77	77		"	cu-m		5	
11				"	"	3			30 29	81	77	77		"	"		5	
Mid.				"	"	3			30 29	80	77	77		"	"		7	

under the command of Commander Frank Courtis, U. S. Navy,

Wednesday, March 21st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and fine. Moonlight. Calm and light airs from East. Distilling.

H. H. Caldwell
Ensign, USN.

4. to 8. A.M.

Clear and hazy. Lamps. Calm. Barometer rising. Plant Line steamer "Olivette" and Ward Line steamer "Havana" came into port. Received on Pay Allot. for issue to the crew the following fresh provisions:- 159 lbs of bread, 198 lbs vegetables, and 310 lbs of Beef. Water lighter came alongside at 5:45. Distilling.

W. J. Mangan
Ensign, USN.

8. A.M. to Meridian.

Fair and pleasant. Calm and light breezes and airs from North. Barometer rising first part then falling slowly. At 9:30 mustered at quarters (not absentees) after which the Divisions were drilled as per routine. Water lighter alongside for ships use. By order of the Commanding Officer at 9:00 released from confinement and restored to duty W. J. Morgan (Cpl), his term of confinement having expired. Punishments awarded by the Commanding Officer:- A. Hendricksen (Cpl) being generally negligent and unsatisfactory in the performance of his duty - acting appointment and Observant revoked; E. D. Royal (a.s.c.) absent from his station at repel drill - 3 days solitary confinement on bread and water; G. Marker (a.s.c.) and R. N. Roote (a.s.c.) (Colored) skylarking - each confined in double irons to await investigation. Signals during the watch (by wig-wag): at 7:50 "Essex" to "Dolphin": "Are the senators coming here today"; at 10:15 "Dolphin" to "Essex": "I do not know. The senators are ashore with the Governor General and will not be back till this afternoon"; at 10:25 "Essex" to "Dolphin": "You need not make signal for ordinary routine matter". Distilling.

W. J. Mangan
Ensign, USN

Meridian to 4. P.M.

Fair and pleasant. Light to gentle breeze from N.N.E. and N.E. Barometer falling. Scraping topmasts. Received on Pay Allot. 1/15 68 lbs Sugar. At 1:15 Wigwag signal from "Dolphin": "I do not think the senators will be back this afternoon." At 4:05 "Olivette" left harbor.

H. H. Caldwell
Ensign, USN.

4. to 8. P.M.

Fair and pleasant. Gentle breeze from N.E. by N. and N.E. Barometer steady. About 5:30 sent down royal yards and bent and crossed the gallantsails. About 6:15 the "Dolphin" fired a salute of 11 guns, American flag at the fore. Distilling.

W. J. Mangan
Ensign, USN.

8. P.M. to Midnight.

Fair and pleasant. Light to gentle breeze from S.S.E. Moon rose at 11:10. A steamer came in. Light drizzling rain falling for a few minutes at 9.

H. H. Caldwell
Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Lieut Navigator.

4—955

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to buoy, Havana, Cuba.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sameness.	State of the Sea.
A. M.																		
1				East.	East.	2			30 27	79	77	76		bcw	Cu.		3	
2				"	"	2			30 26	78	75	74		"	"		3	
3				"	"	1			30 25	78	74	73		"	"		2	
4				"	"	1			30 24	78	74	73		"	"		2	
5				E. S. E.	"	1			30 25	78	74	73		"	"		1	
6				"	"	1			30 26	78	75	74		bc	"		3	
7				East.	E. by N.	2			30 27	79	76	74		"	Cu. cu		4	
8				E. by S.	"	2			30 29	80	81	75		"	"		3	
9				East.	East.	3			30 30	82	81	75		"	Cu.		5	
10				"	"	3			30 30	88	92	76		"	Cus		8	
11				E. N. E.	E. N. E.	4			30 30	83	81	76		"	Cu		7	
Noon.				N. E. by E.	N. E. by E.	4-5			30 29	84	82	77		"	"		8	

Position at 8 A. M.: Latitude by ; Longitude by

Mag. Temp. For. Aft. 80 — 77 76

Position at noon: Latitude by observation ; Longitude by observation ; Latitude by D. R. ; Longitude by D. R.

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by D R. 23° 28' 00" N.; Longitude by Obs. 81° 59 00" W.

Variation of compass: from chart 1° 48' E by.

Error of compass observed at 4:29 7° 15' E by

Deviation of compass on N. E. by N. 5° 28' E by.

Water expended during the preceding 24 hours, 300 gallons.

Water distilled during the preceding 24 hours, 1100 "

Water remaining on hand fit for use at noon, 2600 "

Coal consumed during the preceding 24 hours, 2 tons, 1220 lbs.

Coal remaining on hand at noon, 75 " 489 "

P. M.																		
1				N. E. by E.	N. E. by E.	4-5			30 28	84	82	77		bcq.	Cu.		8	
2	0	0	0.6	mid	"	4-5			30 26	83	81	77		bcfq	Cu m		7	
3	0	8	2.7	N. E. by N.	"	5			30 24	84	81	77		bc			8	m.
4	4	3	7.0	"	"	5			30 23	82	80	76	78	"	Cu.		7	"
5	4	0	11.0	"	E. by N.	5-6			30 23	81	79	76	78	bcq.	"		6	"
6	4	3	15.3	"	"	5-6			30 23	80	77	74	78	"	Cu cu		8	"
7	4	0	19.3	"	"	6			30 24	79	77	75	78	bc.	Cu.		8	"
8	4	2	23.5	"	"	6			30 24	79	77	75	78	"	"		3	"
9	4	5	28.0	"	"	6			30 25	78	76	74	78	"	"		5	"
10	4	4	32.4	"	"	6			30 25	78	76	74	78	"	"		3	"
11	4	3	36.7	"	"	6			30 26	78	76	74	78	"	"		4	"
Mid.	5	3	42.0	"	"	6			30 26	77	75	73	78	"	"		3	"

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 22nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Light East'ly airs and breeze. Barometer falling. Moonlight.

Roger Earle,
Ensign, USN

4 to 8 A.M.

Clear and pleasant. Light airs from East and light breeze from S. by W. Barometer rising slowly. Received in the Department of Supplies and Accounts the following fresh provisions: 109 lbs bread, 194 lbs vegetables, and 310 lbs meat. Water lighter came alongside about 5:20. Made preparations for coaling. Coal lighter came alongside about 6:15. Commenced coaling about 6:45. Several steamers came into port. The U.S. Army transport "Sedgwick" came in about 6:00 and anchored. At 7:30 made (Renewed 23rd) time and uniform signal to "Dolphin." Received on Equipment Dept about 8 tons of coal.

W. H. Hanson
Ensign, USN

8 A.M. to Meridian.

Fair and pleasant. Gentle to stiff breeze from East and N. E. by E. Barometer steady and high. S.S. "Mascotte" came in at 8:20. Coaling from lighter on port side. At 9:30 finished coaling having taken in all about 250 tons. Making preparations for sea. Bent main topmast staysail. Punishments awarded by the Captain: F. Manser (A.B.C.) 10 days double irons for wandering about deck at night in a suspicious manner. R. H. Poole (A.B.C.) 10 days double irons for having another boys clothing in his possession. F. McCarty (Fde.) 5 days confinement on bread and water for having boys clothing in his possession. By order of the Captain released from confinement and restored to duty J. O'Leary (A.B.C.). At 9:50 U.S. Transport Teller reached the ship. Having fresh water from lighter alongside. Emptied her and sent her away at 10:30. At 9 a.m. lighted fires in Boilers A & C for steaming.

W. C. Baldwin Ensign, USN.

Meridian to 4 P.M.

Clear and pleasant. Moderate to stiff N. E. by E. breeze. Barometer falling. At 11:50 mustered at quarters no absentees. At 2:10 got underway and stood out of the harbor. Put over log reading 0 at 2:30, and at 2:35 put ship on course N. E. by N. (P.S.C.) Log 8. Draft of ship fo'd 14', aft 16' 9". Secured anchors on bow. Set fore topmast staysail and main trysail at 3:00. Steaming with three boilers. Ship pitching to sea on stbd. bow. Av. steam 58. Av. revs. 39.8.

Roger Earle,
Ensign, USN

4 to 6 P.M.

Fair and pleasant. Stiff breeze from E. by N. with very fresh squalls. Barometer steady. At 4:15 set spanker. Course N. E. by N. (P.S.C.). Steaming with fore topmast staysail, spanker, and trysail set. Land in sight astern. Revs 39.8. Steam 58.

W. C. Baldwin
Ensign, USN.

6 to 8 P.M.

Clear and pleasant. Fresh breezes from E. by N. Barometer steady. On course N. E. by N. (P.S.C.) under steam and following sail; fore topmast staysail, main trysail and spanker. Average revolutions 73, average steam pressure 55 lbs. Ship pitching deeply to moderate sea on starboard bow.

W. H. Hanson
Ensign, USN

8 P.M. to Midnight.

Clear and squally. Stiff breeze from E. by N. On course N. E. by N. under steam on A, B and C Boilers. Fore topmast staysail, spanker and trysail set. Ship pitching easily to moderate sea on stbd. bow. Taking a little water over the bows. Av. steam 58. Av revs. 40.2.

W. C. Baldwin Ensign, USN.

Examined and found to be correct.

E. F. Lucas
Fleet Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Havana, Cuba, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Form.	CLOUDS. Amount, each kind.	State of the Sea.
A. M.																		
1	4	8	46.8	N. E. by N.	East.	6	5°		30 25	77	75	74	78	bcw	Cu		4	m
2	5	1	51.9	"	"	5-6	5°		30 24	77	75	74	78	"	"		4	"
3	5	6	57.5	"	"	5	5°		30 23	77	75	73	78	"	"		5	"
4	6	0	63.5	"	"	5	5°		30 23	78	76	73	79	"	"		6	"
5	5	8	69.3	"	"	5	5°		30 24	76	76	69	77	"	"		5	"
6	5	8	75.1	"	"	5	5°		30 26	76	76	73	77	"	"		3	"
7	3	0	78.2 80.1	N. E. by E.	"	5			30 27	76	76	73	77	bc	Cu.		3	"
8	4	7	84.8	"	E. by S.	5			30 28	76	78	74	77	"	"		3	"
9	4	6	89.4	"	"	5			30 30	79	79	75	77	"	Cu.		7	"
10	4	9	94.3	"	"	5			30 32	82	80	76	77	"	"		7	"
11	4	9	99.2	"	"	5			30 33	84	82	79	77	"	Cu		6	"
Noon.	4	5	03.7	"	"	5			30 33	86	85	80	77	"	Cu.		5	"

Position at 8 A. M. { Latitude by bearings / Longitude by Alx. } 24° 32′ 00″ N. Mag. Temp. 80° 57′ 00″ W. Var. Aft. 81- 77-76

Position at noon: { Latitude by observation / Longitude by ~~observation~~ bearings / Latitude by D. R. / Longitude by D. R. } 24° 48′ 55″ N. 80° 30′ 00″ W. 24° 32′ 00″ N. 81° 03′ 00″ W.

Course made good since preceding noon: N. 46° E.

Distance made good since preceding noon: 142 miles.

Distance by Log since preceding noon: 103.7 miles.

Current per hour: 1.86 miles, set N. 50° E. true.

Position at 8 P. M. { Latitude by DR / Longitude by DR. } 25° 57′ 00″ N. 79° 52′ 00″ W.

Variation of compass: / Error of compass observed at / Deviation of compass on } No observations.

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2100 "

Coal consumed during the preceding 24 hours, 10 tons, 2100 lbs.

Coal remaining on hand at noon, 64 " 629 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, Form.	CLOUDS. Amount, each kind.	State of the Sea.
P. M.																		
1	4	7	8.4	N. E. by E.	E. by S.	6			30 32	88	86	83	77	bc	Cu.		4	m
2	5	6	14.0	"	"	6			30 29	87	86	83	77	"	"		6	"
3	6	2	20.2	"	"	5			30 28	86	76	72	77	"	Cu.		6	"
4	7	2	27.4	N. by E. 3/4 E.	"	4			30 26	84	76	73	77	"	"		5	"
5	7	2	34.6	"	"	3			30 28	84	76	73	77	"	"		5	"
6	5	9	40.3 42.2	N. 1/2 E.	"	3			30 26	79	75	72	77	"	"		5	"
7	7	6	49.8	"	East	3			30 25	77	75	72	76	bcd.	Cu		4	"
8	7	8	57.6	"	"	3			30 24	77	74	72	76	"	"		4	"
9	7	6	65.2	"	"	4			30 23	75	74	72	76	bcw	"		5	"
10	7	7	72.9	"	"	4			30 24	76	74	72	76	"	Cu.		7	"
11	7	8	80.7	"	"	4			30 23	76	74	72	76	"	"		7	"
Mid.	7	8	88.5	"	"	4			30 22	76	74	72	76	"	"		8	"

under the command of Commander Frank Courtis, U. S. Navy,

Friday, March 23rd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Generally fair and pleasant. Stiff to fresh East by breeze. Barometer slowly falling. Moonlight after 12:10 when moon rose. Ship pitching to moderate sea on stbd. bow. Under steam and fore topmast staysail, topsail and spanker, on course N. E. by N. (P.S.C.) log 63.5 at end of watch. Av. steam 51. Av. revs. 40.1.

Raoul Saree,
Ensign, USN.

4. to 8. A.M.

Fair and pleasant. Stiff breeze from East and E. by S. Barometer rising. At 5:30 sighted Sombrero Key light bearing N. by E. ¾ E. (P.S.C.). At 5:50 set jib and main topmast staysail. At 6:32 changed course to N. E. by E. (P.S.C.) and took in all fore and aft sail, port log 77.2. At 6:45 Sombrero Key light house bore N. W. by N. abeam. Sighted three steamers. At end of watch Sombrero Key light house bore N. 66° W. (P.S.C.) Steaming. Revs. 40.2. Steam pressure 52. Ship pitching slightly to moderate sea on stbd. bow. All sail set.

W. H. Clemon
Ensign, USN.

8. A.M. to Meridian.

Fair and pleasant. Stiff breeze from E. by S. Barometer rising slowly. At 9:30 mustered at quarters (two absentees) after which the divisions were drilled as per Mondays routine. About 5:35 set main topsail. Sighted several steamers during the watch. At 8:26 Sombrero Key Lt. bore broad off port quarter p. d. reading 58.6. About 10:15 sighted Alligator Reef Lt. Ho. on port bow. It was broad off port bow at 10:40 p. d. reading 97.5 and at 11:30 it was abeam p. d. reading 1.4. Set clock ahead 4 minutes at 11:10. Tested magazine flood and drain cocks and found them all in good working order. On course N. E. by E. (P.S.C.) under steam and the following sail:- fore and main topmast staysails and main topsail. Average steam pressure 65 lbs.; average revolutions 40.5. Ship pitching slightly to moderate sea on starboard bow.

W. H. Clemon
Ensign, USN.

Meridian to 4 P.M.

Fair and pleasant. Hazy around horizon. Moderate to stiff breeze from E. by S. On course N. E. by E. under steam on three boilers. Fore and main topmast staysails and topsail set. At 1:30 set jib and spanker. Passed two steamers inshore bound South. At 2:50 sighted Carysfort Light bearing N. 8° W. (P.S.C.). At 3:00 changed course to N. by E. ¾ E. p. d. 20.2. At 3:10 Carysfort Light N. W. by W. ½ W. p. d. 21.6. Hold abeam at 3:42 p. d. 25.6. At 3:50 set foresail and hauled down main topmast staysail to repair it. Av. steam 53. Av. revs. 41.5.

F. F. Clemon
Ensign, USN.

4. to 6. P.M.

Cloudy and pleasant. Gentle E. by S. breeze. Barometer falling. Ship steady. Sighted Fowey Rocks light house at 5:00. On course N. by E. ½ E. (P.S.C.) until 5:25 when Fowey Rock abeam, distant 8 miles, changed to N. ½ E. (P.S.C.) Log 40.8. Set main topmast staysail at 5:01. At 5:05 swept to fire quarters, divisions ready as follows:- 4th, ½ min.; 1st, 1 min.; 2nd, 1½ min.; Powder 1½ min.; 3rd, 1½ min.; 5th, 1½ min.; Rav. 2 min. Secured at 5:17. At end of watch under steam, fore and aft sail, save flying jib, and foresail, on course N. ½ E. (P.S.C.) log 43.2. Av. steam 54. Av. revs. 41

Raoul Saree,
Ensign, USN.

6. to 8. P.M.

Fair and clamp. Gentle breeze from East. Barometer falling. At 7:10 lost sight of Fowey Rocks light. Steaming. With foresail and fore and aft sail, save flying jib, set. Course N. ½ E. (P.S.C.). Ship pitching slightly. Revs. 44.2. Steam 55 lbs.

W. H. Clemon
Ensign, USN.

8. P.M. to Midnight

Fair and clamp. Moderate breeze from East. Barometer falling slowly. About 11:50 sighted Jupiter Inlet Lt. about two points forward of port beam. On course N. ½ E. (P.S.C.) under steam and all fore and aft sail (except flying jib) and foresail. Ship pitching slightly. Average steam pressure 48 lbs; average revolutions 44.

W. H. Clemon
Ensign, USN.

Examined and found to be correct.

E. F. Lasher,
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Havana, Cuba, to Hampton Road, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as to.	State of the Sea.
A. M.																		
1	8	0	96.5	N. ½ E.	East.	3			30.20	76	74	72	76	fcw	Cu.		7	S
2	7	0	3.5	"	"	3			30.18	76	74	72	76	"	"		9	"
3	7	4	10.9	"	"	3			30.14	76	74	72	76	oc	cu-m.		10	"
4	7	3	18.2	"	S.E.	3			30.14	76	74	72	76	"	"		10	"
5	7	2	25.4	"	"	3			30.14	76	74	72	76	"	"		10	"
6	7	0	32.4	"	S.S.E.	3			30.15	75	74	72	76	"	"		10	"
7	6	6	39.0	"	"	3			30.16	77	74	72	76	"	"		10	"
8	3	9	42.9	"	S. by W.	3			30.17	79	74	72	76	"	"		10	"
9	2	5	47.6	N. ¾ W.	S.W. by S.	3			30.17	79	76	73	76	bc	a-s.		9	"
10	5	8	53.4	"	"	4			30.17	81	77	74	76	"	"		8	"
11	6	6	60.0	"	S.W.	5			30.16	81	76	74	76	"	"		8	"
Noon.	6	0	66.0	"	"	5			30.13	80	76	74	76	"	"		9	"

Position at 8 A. M.: Latitude by DR. Allowing for current: 25° 15' 00" N. Mag. Temp.
Longitude by Obs. 79° 36' 30" W. For. Air 80 - 74-76

Position at noon: Latitude by observation 25° 49' 32" N.
Longitude by observation 79° 29' 15" W.
Latitude by D. R. 27° 17' 00" N.
Longitude by D. R. 79° 45' 30" W.

Course made good since preceding noon: Coastwise

Distance made good since preceding noon: 25.4.8 miles.

Distance by Log since preceding noon: 162.3 miles.

Current per hour: 3.5 miles, set With Gulf stream true.

Position at 8 P. M.: Latitude by DR. 29° 52' 00" N.
Longitude by Obs. 79° 31' 00" W.

Variation of compass:
Error of compass observed at } No observations
Deviation of compass on

Water expended during the preceding 24 hours, 550 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1750 "

Coal consumed during the preceding 24 hours, 9 tons, 640 lbs.

Coal remaining on hand at noon, 54 " 2229 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Current.	CLOUDS. Amount, as to.	State of the Sea.
P. M.																		
1	6	6	72.6	N. ¼ W.	S.W.	5	30°		30.09	79	76	73	76	oc	S-cu.		10	S
2	6	8	79.4	"	S.W. by W.	5	30°		30.06	81	76	73	76	bc	cu.		6	"
3	6	7	86.1	"	"	4-5	40°		30.06	81	76	73	76	"	a-cu.		5	"
4	5	3	91.4	"	W.S.W.	4	40°		30.04	80	76	74	76	"	Fr-cu.		5	"
5	4	3	95.7	"	"	3			30.03	80	76	74	76	"	ci-cu.		8	"
6	4	2	99.9	"	"	2			30.09	80	76	74	76	ocd.	"		10	"
7	3	1	3.0	N. E. by N.	W.S.W. by W.	2			30.02	80	76	74	76	ocs.	"		10	"
8	5	6	8.6	"	N.E.	1			30.02	76	75	73	76	oc.	"		10	"
9	5	7	14.3	"	E.N.E.	1			30.03	76	74	74	76	"	"		10	"
10	5	4	19.7	"	N.E.	2			30.03	76	73	73	75	bcpl	a-m.		8	"
11	5	4	25.1	"	"	2			30.01	75	72	71	74	"	"		8	"
Mid.	5	2	30.3	"	"	2			30.00	75	71	70	74	"	"		8	"

under the command of Commander Frank Courtis, U. S. Navy,

Saturday, March 24th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Overcast & occasional showers through at 2:00 and at 3:30. Gentle breeze from East to S.E. On course N. by E under three boilers, Foresail and all fore and aft sail except flying jib set. At 12:30 Gaspar Point light abeam 4 2.9 miles. Boat at 1:15 bearing W.S.W. & W. Barometer falling. On steam #6. Av. revs. 41.6

H. H. Baldwin
Ensign, USN.

4. to 8. A.M.

Cloudy and overcast. Gentle S.S.E. veering to S. by W. by breeze. Barometer rising slowly. At 6:30 made sail to topgallant sails, stopped engines at 6:47, and began distilling with boiler "B", banking fires under "A" and "C". Took in main topmast staysail and spanker at 6:50. At end of watch under square sail to topgallant sails, jib, fore topmast staysail, and trysail, on course N. ½ E. (P.S.C.) log 42.9. Average steam 43.5. Av. revs. 41.4.

Ragle Earle,
Ensign, USN.

8. A.M. to Meridian.

Cloudy and pleasant. Gentle to stiff breeze from S.W. by S. to S.W. Under all square sail to topgallant sails save mainsail, jib, fore topmast staysail, and main trysail. At 9:30 crossed royal yards and set royals, then set main topmast staysail, spanker and flying jib. Course N. ½ E. (P.S.C.). At 8:30 changed course to N. ½ W. (P.S.C.) P.S. #5. By order of the Commander released B. H. Royal (App. 3.c.) from confinement and restored him to duty. At 10:30 allowed fires to die down in boiler A as it was found to be leaking. General cleaning going on. At 11:30 set clock ahead five minutes.

C. McFahs
Lieut., USN.

Meridian to 4. P.M.

Fair and pleasant. Stiff to moderate breeze from S.W. and W.S.W. Barometer falling. Course N. 1/4 W. (P.S.C.) under all sail save mainsail. Ship nearly steady. Distilling.

[illegible]
Ensign, USN.

4. to 6. P.M.

Fair and pleasant first hour, overcast and rainy afterwards. Gentle to light breezes from W.S.W. Barometer steady. At 5:15 mustered at quarters (no absentees) after which exercised at setting up. On course N. ½ W. (P.S.C.) under all plain sail except mainsail. Ship about steady. Distilling.

W. H. Mason,
Ensign, USN.

6. to 8. P.M.

Overcast and raining at times heavily. Light breeze from N.W. by N. shifting to light airs from N.E. Thunder and lightning. At 6:00 changed course to N. 8 E. by N. (P.S.C.) log 99.9. At 6:00 called all hands, furled sail and at 6:11 started ahead on engines with steam on two boilers. Av. steam 45. Av. revs. 31.8.

H. H. Baldwin
Ensign, USN.

8. P.M. to Midnight

Cloudy with rain first half. Lightning around horizon. Light airs and breezes from E.N.E. and N.E. Ship steady. On course N.E. by N. (P.S.C.) under steam, log 130.3 at end of watch. On steam #6. Av. revs. 83.4.

Ragle Earle,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper.
Fleet Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Havana, Cuba, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1	5	3	35.6	N.E. by N.	East	3			29.97	76	72	71	74	hzfl	Cu.N.		9	S
2	6	0	41.6	"	"	3			29.97	77	72	71	74	ocfl	N.		10	"
3	6	3	47.9	"	E.S.E.	2			29.94	76	72	71	74	"	"		10	"
4	5	9	53.8	"	S.E.	3			29.92	76	72	71	74	ocl.	"		10	"
5	6	1	59.9	"	"	2			29.92	73	72	71	72	hzw	Cu.N.		8	"
6	5	6	65.5	"	S.S.E.	3			29.91	74	73	72	72	hz.	Cu.Cu.		6	"
7	6	0	71.5	"	S.W. by S.	4			29.91	76	74	73	72	"	"		6	"
8	5	4	76.9	"	S.W.	4			29.92	77	74	72	73	ocp	Cu.N.		10	"
9	6	4	83.3	"	S.W. by W.	4-5	3°		29.92	79	75	72	72	hz.	"		7	"
10	6	3	89.6	"	"	4-5			29.93	80	76	73	74	"	"		7	"
11	6	5	95.4	"	"	4			29.92	81	76	73	72	"	Cu.		8	"
Noon.	4	5	99.9	"	"	4			29.91	81	76	74	72	"	Cu.		9	"

Position at 8 A. M.: Latitude by DLR. 31° 10′ 00″ N. Mag. Temp.
Longitude by Obs. 78° 25′ 00″ W. For. Aft.

Position at noon: Latitude by observation 30° 59′ 00″ N. 79- 77-75
Longitude by observation 78° 16′ 00″ W.
Latitude by D. R. 30° 42′ 30″ N.
Longitude by D. R. 78° 25′ 00″ W.

Course made good since preceding noon: N.N.E. ½ E.

Distance made good since preceding noon: 147 miles.

Distance by Log since preceding noon: 133.9 miles.

Current per hour: 0.75 miles, set N.N.E. ¼ E. true.

Position at 8 P. M.: Latitude by DLR. 31° 31′ 30″ N.
Longitude by Obs. 78° 48′ 30″ W.

Variation of compass: from Chart 1° 00′ W. by

Error of compass observed at 4:42 5° 16′ E. by

Deviation of compass on N.N.E. ¾ E. 6° 16′ E. by

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 750 "

Water remaining on hand fit for use at noon, 2000 "

Coal consumed during the preceding 24 hours, 3 tons, 1100 lbs.

Coal remaining on hand at noon, 67 " 1129 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Motion.	CLOUDS. Amount.	State of the Sea.
P. M.																		
1	5	6	5.5	N.E. by N.	S.W. by W.	4			29.88	80	76	74	72	oc.	Cu.N.		10	S.
2	6	2	11.7	N.N.E. ¾ E.	"	4			29.86	79	74	74	72	ocp.	"		10	"
3	6	2	17.9	"	"	5-			29.84	78	74	74	72	oc	"		10	"
4	6	5	24.4	"	"	5-			29.84	78	74	73	72	ocp.	"		10	"
5	6	0	30.4	"	West	4-5			29.83	77	74	73	73	hzd.	"		8	"
6	4	9	35.3	"	W.S.W.	4			29.84	77	74	73	72	"	"		8	"
7	4	5	39.8	"	"	3			29.83	77	74	73	73	hzp.	"		8	"
8	4	5	44.3	"	S.W. by W.	4			29.83	77	73	73	72	hzd.	"		8	"
9	4	7	49.0	"	"	4			29.84	77	74	73	72	"	"		8	"
10	4	6	53.6	"	"	4			29.84	77	74	73	73	ocl.	"		10	"
11	2	4	56.0	E. & E.														
0	5	56.5	N.N.E. ¼ E.	Variable	2-4			29.84	78	74	73	73	oclgtr	"		10	"
Mid.	4	2	61.0	"	W.N.W.	4			29.83	78	73	71	73	ocl.	"		10	"

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, March 25th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast. Light passing rain squalls. Lightning around horizon. Gentle to light breeze from East to S.E. Barometer falling slowly. At 12:50 set fore and aft sail except flying jib. Steaming. Course N.E. by N. (P.S.C.). Steam 44. Revs. 34.9. Ship nearly steady. Moon rose about 2:30.

Ensign, USN.

4 to 8 A.M.

Fair and pleasant first part; overcast and cloudy, with passing rain squalls afterwards. Bright moonlight at intervals first part. Light and gentle breezes from S.E. and S.S.E. hauling to moderate S.W. by S. and S.W. breeze. Barometer steady. Stopped steaming about 6 and uncoupled propellers; banked fires under boiler "C", retaining "B" in use for distilling. Sent distilled water forward about 7:10. Average steam pressure 44 lbs; average revolutions 35. Made sail. Wind hauling aft. Took in all fore and aft sail except jib. Took in royals before a rain squall about 7:5. At end of watch under all square sail (except mainsail and royals) and jib. Ensign N.E. by N. (P.S.C.). Ship nearly steady.

Ensign, USN.

8 A.M. to Meridian

Cloudy and pleasant. Hazy. Moderate to stiff breeze from S.W. by W. Ship course N.E. by N. under jib and all square sail except mainsail. At 9:5 set royals, flying jib, fore and main topmast staysails and trysail. At 9:10 hauled down main topmast staysail. At 11:10 hauled down flying jib and fore topmast staysail. At 9:30 mustered and inspected at quarters. Chaplain held divine service. Set deck clock ahead 5 minutes. Punishment awarded by the Captain to G. J. O'Neill (A.S.C.) 3 days confinement on bread and water for disrespectful language to and disobedience of the orders of a Petty Officer. Passed a bark bound West.

Ensign, USN.

Meridian to 4 P.M.

Cloudy and overcast with passing rain squalls. Moderate to stiff S.W. by W. breeze. Barometer falling. Ship rolling occasionally 10° abbd and 8° port. On course N.E. by N. (P.S.C.) until 1, when changed to N.N.E. 3/4 E. (P.S.C.) log 2.5. Ship under square sails, jib and trysail, on course N.N.E. 3/4 E. (P.S.C.) log 2.4 at end of watch.

Ensign, USN.

4 to 6 P.M.

Cloudy and cool. Stiff to moderate breezes from West to W.S.W. Course N.N.E. 3/4 E. (P.S.C.). Under fore and aft sail save main topmast staysail and spanker and under all square sail save mainsail. Passed several tide rips.

Lieut, USN.

6 to 8 P.M.

Cloudy. Gentle to moderate breeze from W.S.W. to W. by S. Barometer steady. Course N.N.E. 3/4 E. (P.S.C.). At 6:30 took in royals and flying jib. Ship nearly steady. Ship under square sails save trysail and mainsail, and jib, fore topmast staysail and main trysail.

Ensign, USN.

8 P.M. to Midnight

Generally overcast, cloudy, rainy, and squally. Moderate breeze from W. by S. and W.N.W. and light to fresh breezes in squalls third hour. Barometer steady. On course N.N.E. 3/4 E. (P.S.C.) under all square sail (except mainsail and royals) jib, fore topmast staysail and main trysail. Took in fore gallant sails and main trysail. Struck by heavy rain squall from N.W. about 10:00 and raw before it. Stopped distilling at 9:45, spread fires under boiler "C", connected up boilers "B" and "C", coupled propeller and went ahead slow at 10:10 on course N.N.E. 3/4 E. (P.S.C.). Took in all sail. Went ahead full speed about 10:50. Average steam pressure 40 lbs, average revolutions 29.2. Sighted a vessel's white light about 10:45, a point forward starboard beam, but soon lost sight of it.

Ensign, U.S.N.

Examined and found to be correct.

Navigator.

4—903

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Havana, Cuba, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridn. form.	CLOUDS. Amount. eighths.	State of the Sea.
A. M.																		
1	5	3	663	NNW 8¾ E.	N.N.W.	6	3°		29 89	75	71	70	74	bcp. -	Cu N		8	M.
2	5	5	71.8	"	N.W. by N.	6	3°		29 83	74	68	67	74	bc.	a.cu		6	"
3	6	0	77.8	"	"	5	4°		29 83	74	67	66	74	"	S.cu		5	"
4	6	3	84.1	"	"	5	4°		29 83	74	67	65	73	bcp.	Cu N		6	"
5	5	4	89.4	"	"	5-6	5°		29 85	70	65	63	74	bc.	"		8	"
6	5	6	95.0	"	N.W.	5-6	5°		29 87	71	64	62	74	"	"		8	"
7	5	7	100.7	"	"	5-6	5°		29 89	68	63	61	74	"	-		7	"
8	5	7	6.4	"	"	5-6	5°		29 89	64	61	60	74	"	"		7	"
9	3	0	12.1	NNW ½ E.	"	5			29 92	66	60	59	75	oc.	S.C.		10	"
10	5	9	18.0	"	"	5			29 91	63	59	58	75	"	"		10	"
11	5	5	23.5	"	"	4-6			29 91	64	59	57	73	bc.	A.C.		9	"
Noon.	4	9	28.4	"	"	4-5			29 91	63	58	56	72	"	"		9	"

Position at 8 A. M. { Latitude by LOR. 32° 30' 00" N. Mag Temp. Aft.
Longitude by Obs 76° 51' 00" W. For. 78-75

Position at noon: { Latitude by observation 32° 37' 14" N. 80 -
Longitude by observation 76° 81' 00" W.
Latitude by D. R. 32° 41' 00" N.
Longitude by D. R. 76° 46' 00" W.

Course made good since preceding noon: N. E.

Distance made good since preceding noon: 133 miles.

Distance by Log since preceding noon: 128.5 miles.

Current per hour: 0.25 miles, set S.E. true.

Position at 8 P. M. { Latitude by LOR 33° 24' 00" N.
Longitude by Obs 75° 51' 30" W.

Variation of compass: from chart 2° 36' W'ly.

Error of compass observed at 4:31 3° 81' E. by

Deviation of compass on N.N.W. ½ E. 6° 07' E. by

Water expended during the preceding 24 hours, 46.0 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 2400 "

Coal consumed during the preceding 24 hours, 4 tons, 240 lbs.

Coal remaining on hand at noon, 47 " 789 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridn. form.	CLOUDS. Amount. eighths.	State of the Sea.
P. M.																		
1	5	6	34.0	NNW 8½ E.	N.W.	5			29 89	65	59	58	70	oc.	Cu N.		10	M.
2	5	8	39.8	"	"	5			29 88	66	60	58	73	bc.	"		8	"
3	5	5	45.3	"	"	5			29 88	70	60	59	73	"	S.cu		8	"
4	6	3	51.6	"	"	4			29 86	63	61	60	73	"	"		8	"
5	6	7	58.3	"	"	3			29 86	63	60	60	73	"	"		8	"
6	7	1	65.4	"	"	3			29 86	63	60	60	73	"	"		8	"
7	7	0	72.4	NbyE 8½ E.	N.W. by W.	3			29 87	67	62	60	70	bcu	Cu.		5	S.
8	7	5	79.9	"	"	2			29 89	67	62	60	69	"	Cu. Cu. Cu. S.		6	"
9	7	6	87.5	"	W.N.W.	2			89 89	68	63	61	71	"	Cu. cu		7	"
10	3	8	91.3	West	"	3			29 89	66	64	62	71	"	"		5	"
11	7	6	98.9	"	"	4			29 89	66	65	63	72	"	Cu.		6	"
Mid.	7	9	6.8	"	"	4			29 89	66	64	62	72	"	"		4	"

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Monday, March 26 th , 1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and squally. Raining first hour. Stiff breeze from N.N.W. and N.W. by N. Clearing and moderating during third hour. Moon rose at 2:45 and showed through the clouds at intervals. On course N.N.E. 3/4 E. under steam on two boilers. At 2:10 set fore and aft sail except flying jib. At 3:00 hauled down main topmast staysail. At 3:30 set foresail. At 3:30 hauled down jib. Ship making occasional roll of 10° to stbd, and pitching easily to moderate sea. Av. steam 47. Av. revs. 34.4.

4 to 8 A.M. F. T. Baldwin Ensign, USN.

Overcast to cloudy. Stiff to fresh breeze from N.W. by N. and N.W. Barometer rising. Ship pitching and at times rolling, 14° stbd and 10° port. And at 8 N.N.E. 1/4 E. (P.S.C.) under steam, fore topmast staysail, foresail, trysail and aft spanker, log 6.4 at end of watch. Av. steam 51. Av. revs. 36.

8 A.M. to Meridian. Ragnvald Earle, Ensign, USN.

Cloudy and cool. Moderate to stiff N.W. breeze. Barometer steady. At 8:30 set main topmast staysail and jib. At 9:30 mustered at quarters, no absentees. Sighted a sail standing to S'd on stbd beam. At 11:35 sent down royal yards. At 12:00 changed course to N.N.E 1/2 E. (P.S.C.). Steaming with foresail and fore and aft sail save flying jib set. Revs. 36.3. Steam #6. Ship rolling slightly to beam sea. The Captain assigned the following punishments:- C. R. Jones (Apr 3 C.) persistently smoking out of hours, 3d Class; C. Barnes (A.B.C.) out of uniform at quarters, 4 hours extra duty.

Meridian to 4 P.M. Ensign, USN.

Cloudy and cool. Stiff and moderate breeze from N.W. Barometer falling slowly. Under same sail as during preceding watch. At 12:35 started fires under boiler D and connected up at 3:15. At 1:00 sent down t'gallant yards, hooked to gall bitts to dry and furled them about 3:00. Furled royals about 1:15. An Acting Appointment as Boatswain was issued to Emile Le Jeune, Seaman, to date from March 23 d, 1900. Steaming with three boilers, on course N.N.E 1/2 E. (P.S.C.) Average steam pressure 47 lbs., average revolutions 38. Ship rolling and pitching slightly to moderate sea on port beam.

4 to 6 P.M. W. H. Lamson Ensign, USN.

Cloudy, cool and pleasant. Gentle breeze from N.W. On course N.N.E 1/2 E. under steam on three boilers. Foresail and all fore and aft sail except flying jib set. At 5:45 mustered at quarters and exercised at setting up. At 6:00 changed course to N by E 1/2 E per l. 65. #. Took in and furled foresail. Av. steam 53. Av. revs. 45.

6 to 8 P.M. F. T. Baldwin Ensign, USN.

Cloudy and pleasant. Gentle to light N.W by W. by breezes. Barometer rising. Ship steady. On course N. by E 1/2 E. (P.S.C.) under sail and steam as in forenoon watch. Av. steam 53. Av. revs. 45.

8 P.M. to Midnight. Ragnvald Earle, Ensign, USN.

Cloudy to fair and pleasant. Light to moderate breeze from W.N.W. to West. Barometer steady. Steaming under three boilers. At 9:10 rust on the end of high pressure valve rod became loose causing engine to stop. Set foresail and topsails. At 9:50 started ahead again on engine, repairs having been made. Took in topsails. Course N by E 1/2 E (P.S.C.). At end of watch steaming with foresail and fore and aft sail save flying jib set. Ship nearly steady. Steam 56. Revs. #6

Frank Courtis Ensign, USN.

Examined and found to be correct.

E. F. Leutze Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Making passage from Havana, Cuba, to Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dep. Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	8	2	150	N by E ½ E	West	4			29 91	68	63	60	72	bc.	Cu		5	Sm
2	7	8	228	"	"	4			29 92	69	62	60	72	"	"		6	"
3	7	8	306	"	W by N.	4			29 92	69	61	59	72	"	"		6	"
4	7	4	38.0	"	"	4			29 92	68	61	59	72	"	"		5	"
5	6	5	44.5	"	"	4			29 92	64	60	59	72	"	"		6	Sm
6	7	2	51.7	"	W. N. W.	4			29 94	66	60	59	72	"	Cu-cu		9	"
7 +30	7	3	59.0	"	"	4			29 95	64	61	59	71	"	"		7	"
8	3	1	63.7	North	"	4			29 95	65	60	57	71	"	"		7	"
9	5	7	71.4	"	N. W. by N.	4			29 97	65	57	55	69	"	"		9	"
10	6	0	77.4	"	N N W.	4			29 99	64	57	55	68	"	S-cu		9	Sm
11	6	6	84.0	"	"	4			30 00	66	58	55	68	"	"		9	"
Noon.	5	8	89.8	"	N by E	3			30 00	67	59	55	68	"	"		9	"

Position at 8 A. M. { Latitude by DR. 35° 00' 00" N. Mag Temp
Longitude by Obs. 74° 58' 00" W. For Afn
77-75.

Position at noon: { Latitude by observation 35° 38' 00" N. 79-
Longitude by observation 74° 55' 00" W.
Latitude by D. R. 35° 08' 0" N.
Longitude by D. R. 75° 30' 00" W.

Course made good since preceding noon: N. N. E. ½ E.

Distance made good since preceding noon: 198 miles.

Distance by Log since preceding noon: 161.4 miles.

Current per hour: 1.7 miles, set N. E. ½ E true.

Position at 8 P. M. { Latitude by DR. 36° 07' 30" N.
Longitude by Obs. 73° 15' 00" W.

Variation of compass:
Error of compass observed at } No observations.
Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water distilled during the preceding 24 hours, 300 "

Water remaining on hand fit for use at noon, 225-0 "

Coal consumed during the preceding 24 hours, 9 tons, 440 lbs.

Coal remaining on hand at noon, 38 " 349 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dep. Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	3	2	93.1	North	N. N. E.	3			29 99	66	54	52	61	bc.	Scu		10	Sm
2	5	9	2.2	"	"	3			29 99	66	55	52	59	bc.	"		8	"
3	6	3	8.5	"	N. E. by N.	3			29 98	66	55	52	59	"	ci.		5	"
4	6	1	14.6	"	"	2			29 98	66	54	52	49	"	ci-cu.		5	"
5	6	1	20.7	"	N. E.	2			29 97	66	52	50	48	oc	a-s.		10	"
6	6	3	27.0	"	"	2			29 96	64	51	49	48	"	m.		10	"
7	6	5	33.5	"	"	2			30 00	64	50	50	48	"	"		10	"
8	6	2	39.7	"	"	2			30 00	63	48	48	47	hzm.	a-s.		9	"
9	4	8	44.5	N. N. W. ¾ W.	N. N. E.	1			30 00	62	47	47	47	dzm.	"		8	"
10	4	8	49.3	"	"	1			30 01	65	47	47	47	obf.	S.		10	"
11	4	6	53.8	"	"	1			30 01	64	47	47	47	"	"		10	"
Mid.	4	2	58.0	"	"	2			30 00	65	47	46	46	"	"		10	"

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday March 27th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. The moon rose about 8:40. Moderate breezes from West and W by N. Barometer steady. Under steam and fore and aft sail (except flying jib) and foresail, on course N by E ½ E. (P.S.C.). Ship steady steadily. Average revolutions 45.8. Average steam pressure 55 lbs.

W. F. Mannon
Ensign, USN.

4 to 8 A.M.

Clear and cool. Moderate breeze from W by N and W.N.W. On course N by E ½ E. under steam on three boilers and same sail as in preceding watch. Barometer rising. Sighted a schooner bound West. At 7:30 changed course to North (P.S.C.) reading 62.6 Took in all sail. Ave steam 55. Ave revs. 44.8. At 6:00 took sounding with sounding machine 88

F. C. Baldwin
Ensign, USN.

8 A.M. to Meridian.

Cloudy to fair. Moderate to gentle N.W by N. hauling to N by E ½ E by breeze. Barometer rising. At 9:30 mustered at quarters, no absentees, and all hands were given instruction in seamanship. By order of the Commanding Officer released F. McCarty, Fde, from confinement, his term having expired; and assigned punishments as follows:- P. Lewis, A.B., 1 hour of uniform at quarters, 4 hours extra duty; and E. A. McCabe, A.B.C., wearing ragged trousers to quarters, 2 days extra duty. Sighted a schooner on port bow and steamer on starboard beam. At 8:00 commenced distilling. At 12 took sounding, no bottom at 120 fathoms. Under steam on course North (P.S.C.) log 59.8 at end of watch. Ave steam 54. Ave revs. 42.5.

Ralph Earle
Ensign, USN.

Meridian to 4 P.M.

Overcast to fair and pleasant. Barometer falling slightly. Gentle to light breeze from N.N.E to N. E by N. At 1:30 changed course to N.N.W. (P.S.C.) Steaming course N.N.W. Sighted Stmr sail standing to Sd. Distilling. At 130 o'clock took sounding with sounding machine no bottom at 110 fathoms. At 3:00 got bottom at 8 fathoms, fine gray sand broken shell. Steam 50. Revs. 39.

C. Kerr Low
Ensign, USN.

4 to 6 P.M.

Overcast and cloudy. Cool. Light breezes from N.E. Barometer falling slowly. Steaming on course N.N.W. (P.S.C.), with two boilers. Average steam pressure 43 lbs., average revolutions 36.4. Distilling.

W. F. Mannon
Ensign, USN.

6 to 8 P.M.

Hazy and cool. Clearing last half hour. Light breezes from N.E. On course N.N.W under steam on two boilers. Distilling. Sighted a steamers light ahead, port bow bound South. At 7:00 took sounding in 15 fathoms fine white sand bottom. Ave steam 44 Ave revs. 37

F. C. Baldwin
Ensign, USN

8 P.M. to Midnight.

Overcast cloudy, with thick fog lifting at intervals. Light N.N.E. By axis and breezes. Barometer steady. At 12:00 took sounding in 13½ fathoms, fine white sand. At 1 changed course to N.N.W. ½ W. (P.S.C.) log 39.7. Under steam, on course N.N.W ½ W. (P.S.C.) log 5.8 at end of watch. Ave steam 43 Ave revs. 36.6

Ralph Earle
Ensign, USN.

Examined and found to be correct.

F. F. Leiper
Fleet Navigator.

6—205

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

Making passage from Havana, Cuba, to Hampton Roads, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0-10.	State of the Sea.
A. M.																		
1	4	1	62.1	N.N.W. 3/4 W.	N.N.E.	1			29.96	64	47	46	46	o'cast	8		10	Lo.
2	4	2	66.3	"	"	1			29.94	65	46	45	45	b'cast	"		8	"
3	4	2	70.5	"	"	2			29.94	64	46	44	44		"		4	"
4	3	5	74.0	"	"	4			29.94	60	45	44	43		"		4	"
5	3	5	77.5	"	"	4			29.97	58	44	43	42		"		6	"
6	3	5	81.0	N.W. by W. 1/2 W.	"	5			29.98	58	44	43	42	b'cast	a-Cu.		5	M.
7	4	0	85.4	N.W. by W.	"	5			30.00	53	44	42	42	"	"		4	"
8	4	4	98.3	N.W. by W.	North	4			30.02	52	44	43	43	"	Cu.		4	"
9	7	3	5.6	Various	"	5			30.05	54	44	42	42	b'c.	a-Cu.		4	S.
10	7	3	129	"	"	4			30.07	56	44	42	42	"	a-Cu.		4	"
11	Anchor.		13.9	W. by N.	"	4			30.09	59	45	44	—	b'cm.	Cu.		2	"
Noon.				West	"	4			30.10	61	48	44		"	"		3	—

Position at 8 A. M. { Latitude by / Longitude by } Entering Chesapeake Bay ° ' " Mag. Temp. For. Aft. 78- 78-78

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: 123.1 miles.

Distance by Log since preceding noon: 123.1 miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 450 gallons.

Water distilled during the preceding 24 hours, 900 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 6 tons, 960 lbs.

Coal remaining on hand at noon, 31 " 1629 "

P. M.	Anchor.																	
1			West	N.W.	5				30.09	60	50	44		b'cg	F.-cu.		4	
2					5-6				30.09	61	52	45		"	"		5	
3	Swinging to flood		North.	"	4-5				30.11	62	51	44		"	"		3	
4			N.E.	North.	4-5				30.12	64	51	44		"	Ci.		2	
5			East.	N.N.E.	4				30.13	63	49	45		lt.	"		2	
6			"		3				30.14	59	48	44		"	"		1	
7			S.E.	"	1				30.16	56	47	42		"	"		1	
8	Swinging to ebb.		"	"	1				30.18	57	45	42		b.w.	Mist.		0	
9			W.N.W.	Calm	0				30.20	60	49	42		"	"		0	
10			West.	N.W.	1				30.20	58	49	42		"	"		0	
11			W. by S.	West.	1				30.20	58	42	41		"	"		0	
Mid.			W.S.W.	"	1				30.20	60	42	41		"	"		0	

4-25

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, March 25th, 1903.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and foggy to fair. Light airs to moderate breeze from N. to E. Barometer falling slightly. Steaming on course N.N.W. 3/4 W. (Mag.) Took following soundings: At 1, 8 fathoms; at 2, 5 1/2 fathoms; at 3, 9 1/2 fathoms; and at 4, 11 fathoms. Sighted a light on port beam at 12:20 and lost it at 12:35. Steam 4 to 5. Stopped distilling at 1:30.

4 to 8 A.M.

Ensign USN.

Fair and misty. Cool. Moderate and stiff breeze from N. to E. and moderate breeze from North. Barometer rising slowly. Steaming on course N.N.W. 3/4 W. (Mag.). Took soundings at 5:00, 11 fms. Sighted Cape Henry Lt. Ho. at 5:57 bearing N.W. by W. 1/2 W. (Mag.). Steering various courses after 5:57 standing in towards Cape Henry. Spread fires under boiler "B" at 5:22, and connected it up at 5:45. Hoisted colors at 7:35, and international signal G. A. J. D. at 7:40. Several steamers and sailing vessels sighted. Average steam pressure 62 lbs., average revolutions 35.

Ensign, USN.

8 A.M. to Meridian.

Clear and cold. Hazy around horizon. Moderate to stiff breeze from North. Standing in to anchorage in Hampton Roads under com. of Captain and Navigator. Steering various courses. Under steam on three boilers. International number answered from signal station at Cape Henry. Exchanged numbers with USS. Hearsarge. At 10:05 made Interrogatory (B) Granted by Hearsarge. At 10:25 hauled in patent log reading 18.8. At 10:34 came to anchor in 11 fathoms of water with 60 fathom port chain. Bearings of anchorage: Old Point Comfort Light N. 14° E., S.W. corner steam boat wharf N. 45° W., ships head W. N. W. & W. Ships draft, forward 16'-7", amidships 15', aft 16'-9". By order of the Captain released from confinement and restored to duty, their terms having expired, G. J. O'Neill (A.S.C.), C. F. Reiff (A.S.C.), and C. D. Mullen (A.S.C.). The following punishments were awarded by the Captain: R. E. Berry (A.S.C.) 4 days extra duty for taking a book belonging to an officer and defacing it by cutting out his initials. W. A. Stover (A.S.C.) 3 days solitary confinement on bread and water for continued disregard of orders and swearing at Master-at-Arms. C. Barnes (A.S.C.) 5 days solitary confinement on bread and water for loaning another boy clothing in his possession. Received pratique from quarantine authorities. At 11:10 set deck clock ahead 9 minutes. Let fires die out in boilers "C" and "D" and banked fires in boiler "B". Av. steam 50. Av. revs. 45.8.

Meridian to 4 P.M.

Ensign, USN.

Fair and cool. Moderate to fresh N.W. by W. to North by E. breeze. Barometer rising. Crew engaged in painting ship. Swung to flood 3:30 to 3:30. Sent General Signal Book #132 on board the "Hearsarge", to be returned when that ship is furnished one. Signals:- Hearsarge to Eagle at 1:15, "have you got too many signal books on board," and at 1:20, "please send one on board right away"; Eagle to Hearsarge at 1:47, "Aye."

Ensign, USN.

4 to 8 P.M.

Clear and cool. Light airs to moderate breeze from N.N.E. Barometer rising. Riding to flood tide. The Captain left the ship on duty, going to Washington to report arrival of ship. Asst. Paymaster M. E. Ammon left the ship on two days leave.

Ensign, USN.

8 P.M. to Midnight

Clear and cold. Calm and light variable airs. Barometer steady. Swung to ebb 8:30 to 9:30.

Ensign, USN.

Examined and found to be correct.

Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Hampton Roads, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving From.	CLOUDS. Amount, 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			W.S.W.	S.W.	1			30 21	60	44	42		bcw.	Ci-S.		4	
2				"		2			30 21	60	44	43		"	"		4	
3	Swinging to flood			SW by W	"	2			30 21	60	44	43		ocw.	S.		10	
4				NW by N.	"	2			30 22	60	44	42		bc	Fr. Cu.		6	
5				N by E.	"	1			30 21	57	43	42		oc	"		10	
6				"	"	1			30 20	57	43	42		bc.	"		9	
7				"	"	1			30 19	49	44	42		"	Cu.		7	
8	Swinging to ebb			"	"	1			30 19	58	44	42		"	"		7	
9				W.N.W.	W.S.W.	1			30 21	57	47	44		brm.	Ci.		4	
10				"		1			30 21	61	47	44		"	"		3	
11				West	N.N.W.	1			30 22	69	50	47		"	"		3	
Noon.				"	North	2			30 22	69	54	49		"	Fr. Cu.		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Var. Dip
Longitude by ° ′ ″ Obs. 75- Obs. 73-68

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 600 lbs.

Coal remaining on hand at noon, 31 " 1029 "

Hours																		
P. M.	At anchor.																	
1				SW by W.	East	3			30 14	69	51	48		bc.	ci-cu		8	
2	Swinging to flood			SW	"	4			30 13	64	49	47		"	ci-s.		2	
3				East	"	4			30 09	66	51	48		"	"		6	
4				E by N.	"	4			30 08	61	50	48		"	"		6	
5				"	"	4			30 07	59	47	46		"	"		5	
6				"	E.S.E.	4			30 05	59	47	46		"	"		5	
7				East	"	4			30 05	59	47	46		"	"		7	
8				"	"	4			30 04	59	47	46		"	"		7	
9	Commenced swinging to ebb			E by S.	S.E.	4			29 99	59	51	50		bcw.	"		7	
10				West	S.S.W.	4			29 98	61	53	52		"	"		8	
11				"	"	4			29 95	63	55	54		"	S.		6	
Mid.				"	SW	2			29 99	63	55	54		"	"		6	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, March 29th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Fair and cold. Light S.W. airs and breezes. 3:50 to 3:30 swinging to flood.

C.W. Fahs
Lieut, U.S.N.

4. to 8. A.M.

Fair and cold. Pleasant. Light S.W. airs. Barometer falling slowly. At 5:30 hoised sail to dry. Signals: from Clearsarge at 6:45, "Please tow our launch to the ship". Answered, "Will do so as steam is on launch". From Clearsarge at 7:10 "Please send boat".

C.R. Baldwin Ensign, U.S.N.

8. A.M. to Meridian.

Fair and cool. Light airs and breezes from W.S.W., N.N.W., and North. Barometer raising. Engaged in painting the ship inside. At 10:30 furled sail, and unbent the topsails and foresail. Bent topsails and foresail, and crossed topgallant and royal yards. Swung to ebb 8:40 to 9:30. The U.S.S. Clearsarge left the Roads at 8:40

Ralph Earle,
Ensign, U.S.N.

Meridian to 4. P.M.

Fair and cold. Gentle to moderate breeze from East. Riding to ebb until 9:20 when the ship swung to the wind. Painting ship inside. The Army Transport S.S. Kilpatrick came in and anchored.

C.W. Fahs
Lieut., U.S.N.

4. to 8. P.M.

Fair to cloudy. Moderate East to S.S.E. by breezes. At 4:30 went to quarters and served out clean hammocks.

Ralph Earle,
Ensign, U.S.N.

8. P.M. to Midnight.

Cloudy and cool. Moderate breeze from S.E. to S.S.W.

C.W. Fahs
Lieut., U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			West	S.W.	1			29.00	63	55	54		calm	Nim		10	
2				W.S.W.		1			29.99	63	55	54		"	"		10	
3				"	West	2			29.98	64	56	55		"	"		10	
4	Swinging to flood			W.N.W.	N.W.	3			29.98	64	55	53		calm	"		10	
5				E.N.E.	"	2			29.96	58	50	46		calm	"		10	
6				"	"	2			29.96	57	46	44		overm.	"		10	
7				"	"	2			29.97	56	44	42		"	"		10	
8				"	"	2			29.97	56	44	42		"	"		10	
9				"	N.E.	3			29.98	56	42	42		"	"		10	
10	Swinging to ebb			North.		2			29.97	56	43	42		"	"		10	
11				N.W. by W.	North.	2			29.96	55	43	42		"	"		10	
Noon.				West	"	3			29.93	55	43	43		overm.	"		10	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 75- 73-67

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 5-00 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 1100 lbs.

Coal remaining on hand at noon, 30 " 2169 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	BAROMETER. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At anchor			West.	North	4			29.93	54	43	43		overm.	Nim		10	
2				"	"	4-5			29.93	54	43	43		overhg.	Q. N.		10	
3				W. by N.	"	3-4			29.91	51	43	43		ovhg.	"		10	
4	Swinging to flood			N.W.	N.N.E.	3			29.87	47	43	43		"	"		10	
5				N.E. by N.	N.N.W.	3			29.87	50	43	43		"	"		10	
6				E.N.E.	"	3			29.88	51	43	43		"	"		10	
7				"	"	2			29.88	52	43	43		bc.	"		8	
8				"	North	3			29.89	53	43	43		"	"		5	
9				E. by N.	N.N.E.	2			29.91	51	42	43		brw	Ci.		2	
10	Swinging to ebb			N.E.	"	3			29.91	52	43	43		"	"		3	
11				W.N.W.	"	3			29.92	54	43	43		"	Ci. S		4	
Mid.				W. by N.	N.N.W.	3			29.92	55	41	41		brwn.	"		3	

4—2 5

under the command of Commander Frank Courtis , U. S. Navy,

Friday, March 20th , 1903.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy. Light rain with thunder and lightning. Light to gentle variable airs and breezes. Barometer falling.

Roger Eares,
Ensign, U.S.N.

4 to 8 A.M.

Overcast, rainy and cool. Light N.W. breeze. Barometer steady. Rigged out sailing launch. Received in Pay Dept. following fresh provisions:- 160 lbs. of bread, and 200 lbs. each of meat and vegetables. The Captain returned on board from leave of absence. Commander W.S. Cowles also came on board from the Bureau of Navigation to inspect the ship. C. Bowyer, O.S., was placed in double irons to await action for gross neglect of duty.

Ensign, U.S.N.

8 A.M. to Meridian

Overcast and raining. Gentle to light breezes from N.E. to North. By order of the Commander released from confinement and restored to duty W.A. Stover (App. S.C.), C. Barnes (App. S.C.), O.A. Porte (App. S.C.), and F. Manser (App. S.C.). At 9:30 went to quarters for inspection and the ship, crew and apprentices were inspected by the inspecting officer from the Bureau of Navigation, Commander W.S. Cowles, U.S.Navy. After the completion of the inspection drills, Commander Cowles left the ship.

E.W. Eaton
Lieut., U.S.N.

Meridian to 4 P.M.

Overcast and raining. Moderate to gentle breeze from North to N.N.E. Barometer falling. Ensign F.P. Baldwin, U.S.N. left the ship on two days' leave of absence. Made weekly list of magazine flood and drain cocks and found them in good condition. Swinging to flood tide at end of watch.

Ensign, U.S.N.

4 to 8 P.M.

Overcast to cloudy and cold. Clearing latter part. Gentle to light N.N.W. breeze. C.J. Bowen, (C.P.), was by order of the Commander released from confinement and restored to duty. The U.S.S. Clearsarge came in exchanging numbers with us and anchored near us at 6:30. Lt. E.F. Leiper, U.S.N. left the ship on 3 days' leave.

E.W. Eaton
Lieut., U.S.N.

8 P.M. to Midnight.

Fair and Hazy. Cool. Light to gentle breeze from N.N.E. and N.N.W. Barometer steady. Swinging to flood tide between 9:30 and 10:30.

Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. & Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

At anchor, Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			West	N.W.	2			29 91	56	40	40		bcm.	S.		3	
2					N.N.W.	3			29 91	54	39	39		ocmw.	S-cu.		10	
3				W. by S.	"	3			29 91	54	40	40		bcmw.	"		7	
4				W.S.W.		3			29 91	54	40	40		"	"		9	
5				W.N.W.	N.W.	3			29 92	53	40	40		"	"		8	
6				N.N.E.	"	3			29 94	53	41	40		bcm.	"		7	
7				"	"	3			29 96	54	41	40		"	"		7	
8				"	"	3			29 97	53	42	40		"	"		7	
9				N.E.	N.W. by W.	4			29 97	52	44	41		"	A-cu.		6	
10				N.E. by N.	N.W.	4			29 99	54	45	42		"	Cu.		5	
11				N.N.E.	"	4			30 01	56	46	43		"	"		4	
Noon.				N.W. by W.	N.N.W.	4-5			30 03	57	45	42		"	"		5	

Position at 8 A. M. { Latitude by ° ′ ″ Mag. Temp. Air
Longitude by ° ′ ″ Cor. Alt.

Position at noon: { Latitude by observation ° ′ ″ 74 — 68-66
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 200 "

Water remaining on hand fit for use at noon, 1400 "

Coal consumed during the preceding 24 hours, tons, 1800 lbs.

Coal remaining on hand at noon, 30 " 369 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in Inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1	At anchor																	
2				W. by N.	N.N.W.	4-5			30 04	57	43	40		bcm.	Cu.		8	
3				West	W.N.W.	5			30 04	54	44	43		"	"		7	
4				W. by S.	"	4			30 05	54	44	42		"	"		9	
5 30	Swinging ship			West	N.W.	3			30 05	53	44	42		"	S-cu.		9	
6				N.N.E.	"	2			30 07	53	45	42		bc.	Cu.		9	
7				E. by N.	"	2			30 08	53	45	42		"	"		4	
8				"	"	2			30 10	51	43	41		"	"		5	
9				"	"	2			30 12	51	43	41		"	"		6	
10				E. by N.	"	3			30 14	50	43	41		"	"		6	
11				N.E.	"	2			30 15	50	43	40		"	"		5	
Mid.	Swinging ship			"	"	2			30 18	50	43	40		"	"		5	
									30 20	50	42	40		"	"		2	

4—25

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, March 21st , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy and cold. Light to gentle breeze from N.W. to N.N.W.

Chas Fahs
Lieut., U.S.N.

4 to 8 A.M.

Cloudy and cold. Gentle breezes from N.W. Barometer rising. Received in the department of Supplies and Accounts the following fresh provisions 1-1/2 lbs bread, 200 lbs meat, and 200 lbs vegetables. Spread fires under boiler "B", started distiller, and sent distilled water forward at 6:40. Lieutenant C.M. Fahs, U.S.Navy, left the ship on 3 days leave, and Passed Assistant Paymaster W.G. Ammen, U.S.Navy, returned from leave. U.S. Revenue Cutter "Grundy" left the harbor.

W.J. Manion
Ensign, U.S.N.

8 A.M. to Meridian.

Clear and cold. Moderate breeze from N.W. by W. to W.N.W. Barometer rising. At 9:30 mustered at quarters, no absentees. At 10:40 during to ebb tide The Captain made an official call on the Commanding Officer of the "Rearsarge". U.S. Army Transport "Kilpatrick" passed down the river to seaward. Revenue Cutter came into port. Proceeded up the river.

W.J. Manion
Ensign, U.S.N.

Meridian to 4 P.M.

Cloudy and cool. Moderate and stiff breezes from N.W. to W.N.W. Barometer steady. At 2:45 mustered at quarters and turned in scrubbed hammocks. Rigged in sailing launch. Sent liberty party ashore about 3:20. Distilling. Riding to ebb tide.

W.J. Manion
Ensign, U.S.N.

4 to 8 P.M.

Cloudy and cool. Gentle to light N.W. breeze. Barometer rising. Swung to the flood tide between 5:30 and 6:30. Distilling.

W.J. Manion
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and pleasant. Light and gentle breezes from N.W. Barometer rising slowly. Swung to ebb tide from 11:00 to 11:30. Distilling.

W.J. Manion
Ensign, U.S.N.

APPROVED.

Frank Courtis
COM'D'R., U. S. N., COM'D'G.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Hampton Roads, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air.	TEMPERATURE. Dew Point.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
A. M.																		
1	At anchor			W. by N.	N.W.	4			30 20	54	41	40		br.	Ci.		1	
2				West.	"	4			30 21	53	41	40		b.	Cmc		0	
3				"	"	4			30 23	52	40	40		"	"		0	
4				S.W. by W.	W.N.W.	3			30 24	53	39	39		"	,		0	
5				W.N.W.	N.W. by W.	2			30 24	51	39	37		"	"		0	
6				N.W.	"	2			30 25	53	39	37		br.	Ci.		1	
7				E.N.E.	"	2			30 29	52	40	39		"	"		1	
8				"	N.W.	3			30 29	51	41	40		b.	Cmc		0	
9				N.E. by E.	N.W. by N.	3-4			30 31	53	45	42		"	"		0	
10	30 Swinging to flood.			N.E.	"	4			30 32	55	46	43		br.	ci.		1	
11				"	W.N.W.	3			30 33	54	46	43		"	,		1	
Noon.				N.W.	South	2			30 34	61	51	44		"	Cu.		1	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Mag. Temps. For Aft. 72 72-64

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 500 gallons.

Water distilled during the preceding 24 hours, 1700 "

Water remaining on hand fit for use at noon, 26000 "

Coal consumed during the preceding 24 hours, 1 tons, 1160 lbs.

Coal remaining on hand at noon, 28 " 1449 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air.	TEMPERATURE. Dew Point.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving forms.	CLOUDS. Amount, as 0 to 10.	State of the Sea.
P. M.																		
1	At anchor			W.N.W.	N.N.W.	2			30 33	64	53	49		br.	Cmc		0	
2				West.	E. by S.	2			30 33	66	54	54		"	"		0	
3				W.S.W.	"	2			30 31	67	50	48		"	"		0	
4				"	E.S.E.	2			30 30	67	57	49		"	"		0	
5	30 Swinging to flood.			"	"	2			30 28	62	51	45		,	"		0	
6				E. by N.	N.E.	3			30 27	62	50	45		br.	Ci.		4	
7				"	E.	2			30 27	60	46	42		"	"		4	
8				"	"	2			30 27	58	46	40		"	"		2	
9				"	South	2			30 27	55	48	43		"	"		1	
10				East	"	3			30 27	56	45	43		"	"		1	
11	30 Swinging to ebb			E. by S.	"	4			30 27	56	45	43		b.	Cmc		0	
Mid.				S.W. by W.	"	4			30 27	58	45	43		"	"		0	

4—26

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, April 1st, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and cold. Moderate to gentle N.W. by W. to W.N.W. by breezes. Barometer rising.

Ralph Earle,
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Light to moderate breeze from N.W. by N. and N.W. Barometer rising. Received on Pay Department from J. B. Klinderly, contractor, the following fresh provisions: 160 lbs. bread, 200 lbs each of beef and vegetables. Swung to flood tide between 5:30 and 6.

Ensign, U.S.N.

8. A.M. to Meridian.

Clear and pleasant. Moderate breeze from N.W. by N. falling to gentle and light breezes from W. N.W. and North. Barometer rising slowly. At 9:15 mustered and inspected at quarters. Absent over leave A. Pedersen (B.M.1.C.). Called all hands to General Muster at 9:30 and read Articles for the Government of the Navy. The Chaplain held divine service at 10:30. Punishment awarded by the Commanding Officer J. L. Bigham (Ord.), under the influence of liquor at General Muster - reduced to second class conduct. Ship started to swing to ebb tide about 10:50 and finished swinging about 11:50.

W. H. Mannix,
Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light breeze from N.N.W. first hour, with S. by W. to S.S.E. remainder.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light breeze from S.S.E., S.E. and E.S.E. Barometer steady. Finished swinging to flood tide about 5:30. A. Pedersen (B.M.1.C.) returned on board about 7:10, being about 1½ hours over-liberty.

W. H. Mannix,
Ensign, U.S.N.

8 P.M. to Midnight.

Clear and cold. Light to moderate breezes from South. Moon set at 8:50. At 8:40 stopped distilling, ships tanks being full, and banked fires under B. Finished swinging to ebb at 11:00.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

P. T. Leiper.
Lieut. Navigator.

4-205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

At anchor, Hampton Roads, Va

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sub-divid.	State of the Sea.
A. M.																		
1	At anchor.			W.S.W.	S.W.	4			30 27	56	44	43		b.	Sme		0	
2				"	"	4			30 25	56	44	43		"	/		0	
3				"	"	4			30 24	54	44	43		"	"		0	
4				"	"	3			30 23	53	44	43		"	"		0	
5				"	"	3			30 23	53	44	43		"	"		0	
6	Commenced swinging to flood			W. by S.	"	3			30 22	56	44	42		bc.	Cu.		2	
7				S.W.	S. by W.	3			30 21	56	44	43		"	"		2	
8						3			30 21	56	44	43		"	"		1	
9				E. by N.	"	3			30 20	57	51	45		bsm.	C.S		1	
10				"	"	3			30 19	63	54	50		"	"		2	
11				"	"	3			30 18	63	55	51		"	"		2	
Noon.	Finished swinging to flood.			W. by S.	"	3			30 15	64	55	50		"	"		5	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp. Air.
Longitude by ° ′ ″ Fore 42- 65-62

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 600 gallons.

Water distilled during the preceding 24 hours, 600 "

Water remaining on hand fit for use at noon, 2700 "

Coal consumed during the preceding 24 hours, 1 tons, 1360 lbs.

Coal remaining on hand at noon, 27 " 89 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, sub-divid.	State of the Sea.
P. M.	At anchor.																	
1				West.	S.S.W.	3			30 13	67	57	54		bc.	A-C		3	
2				"	"	3			30 10	69	57	54		bsm.	A-S.		4	
3				W. by S.	"	3			30 08	69	55	52		"	"		6	
4				W.S.W.	S.W.	2			30 07	69	55	51		"	"		5	
5				"	W.S.W.	3			30 05	66	56	50		oc.	"		10	
6					"	4			30 03	63	54	49		ocd	m.		10	
7	Finished swinging to flood			S.W.	"	3			30 04	62	53	48		oc.	"		10	
8				E. by N.	"	2			30 04	64	51	46			"		10	
9				E.N.E.	S.S.W.	3			30 06	63	49	46		bsm.	C-S		2	
10				"		3			30 06	62	48	46		bm.	Sme		0	
11				"	S.W.	2			30 05	61	47	47		bsm.	"		0	
Mid.				"	"	2			30 04	59	47	47		"	"		0	

4-25

under the command of Commander Frank Courtis, U. S. Navy,

Monday, April 2nd, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cool. Moderate to gentle S.W. breeze. Barometer falling. Ebb tide.

Edwin Clay
Ensign, U.S.N.

4 to 8 A.M.

Clear and cool. Gentle breeze from S.W. and S. by W. Barometer falling slowly. Received in the Department of Supplies and Accounts the following fresh provisions:- 160 lbs. bread, 20 lbs. each of meat and vegetables. At 7:40 A.M. made General Signal "Interrogatory 5574" to "Hearsarge"; about 7:45 General Signal "Affirmative" "Hearsarge" to "Essex". Loosed sail about 8:45. Finished swinging to flood at 7:30.

W. H. Hamon
Ensign, U.S.N.

8 A.M. to Meridian.

Clear to fair and pleasant. Gentle S. by W. & breeze. Barometer falling. Finished swinging to ebb at 10. At 9:30 mustered at quarters, no absentees. Overhauled both bower chains and restowed them. The Commanding Officer of the Hearsarge returned the call of the Captain. The torpedo boat Porter came down from the Navy Yard with mail, and returned about 12. Signals, Hearsarge to Essex at 9:25, Send Pr. Leiper on board; Essex to Hearsarge at 9:06, Pr. Leiper is on leave, will return tomorrow.

Reade Earle
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and cool. Light to gentle breeze from S.S.W. and S.W. Barometer falling. At 2:45 made signals Int. 5567 and Int. 5767. Both granted by the Hearsarge. Furled sail and sent down light spars. Unbent and stowed below light sails. By order of the Commanding Officer (Executive Officer) J. Holmes (23c) and E. E. Magaw (23c) were placed in solitary confinement until further orders for gross carelessness in dropping government property overboard.

W. F. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Clear and cool. Gentle to moderate W. S. W. & breezes. Finished swinging to flood at 7:30. Signal at 5:15, Hearsarge to Essex, There is a message of importance to you at the Telegraph office. Lieut. Mc. Fahs returned from leave.

Reade Earle
Ensign, U.S.N.

8 P.M. to Midnight.

Fair and cold. Hazy around horizon. Light to gentle breeze from S.S.W. and S.W. Barometer steady. Hearsarge exercising her search lights from 9:00 to 9:30.

W. F. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

At anchor, Hampton Roads, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Starboo.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, universal.	State of the Sea.
A. M.																		
1				At anchor	W by N.	W. S.W.	2		30 09	61	46	45		hzw	Cu-S.		3	
2	Hoisted in the 1st cutter.			Employed unmooring ship.	"	W. by N.	2		30 04	62	47	45		"	"		2	
3				"	"	"	3		30 04	63	47	45		hzw	Cmc		0	
4				"	"	"	2		30 04	64	46	45		hmw	"		0	
5				W. N. W.	N. W.	"	2		30 05	62	46	45		"	"		0	
6				"	"	"	2		30 06	61	45	44		hz	Cu.		3	
7				West.	West.	"	2		30 10	67	45	44		"	"		2	
8:30	Finished unmooring ship.			N. W. by N.	"	"	2		30 13	71	48	46		"	"		1	
9				Getting up anchor	"	"	2		30 13	61	50	47		"	"		1	
10				Various	"	"	2		30 09	60	54	51		"	Ci.		2	
11				North	N. W. by W.	"	1		30 10	66	53	51		"	"		4	
Noon.				"	"	"	1		30 12	68	55	51		"	"		5	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. For. 72- Aft. 68-61

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 570 gallons.

Water distilled during the preceding 24 hours, 800 "

Water remaining on hand fit for use at noon, 22900 "

Coal consumed during the preceding 24 hours, 2 tons, 2220 lbs.

Coal remaining on hand at noon, 24 " 109 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Starboo.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, universal.	State of the Sea.
P. M.																		
1				Various	N. W.	1			30 11	44	58	55		hz	Ci.		4	
2	Moored to dock.			"	"	1			30 11	72	62	60		"	"		5	
3				"	West	1			30 10	72	60	58		"	"		5	
4				"	"	1			30 06	70	60	57		"	"		5	
5				"	S.W.	2			30 07	68	59	57		hzm	"		4	
6				"	"	2			30 07	63	57	54		"	"		4	
7				"	"	1			30 07	63	55	52		hz	"		3	
8				"	"	1			30 07	61	54	52		hzw	"		3	
9				"	"	1			30 08	61	50	49		"	"		2	
10				"	"	1			30 08	60	49	49		hzw	hmc		0	
11				"	"	1			30 06	60	47	47		"	"		0	
Mid.				"	"	1			30 04	63	47	45		"	"		0	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday April 2nd , 1907.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cold. Light & gentle breeze from W.S.W. to W by N. Finished swinging to Adv at 1:00

C. W. Fahs
Lieut, USN.

4 to 8 A.M.

Clear and cold. Light N.W by and West by breeze. Barometer rising. At 4 lighted fires under boilers C and D for steaming purposes. Received on Boy Light, 160 lbs of fresh bread and 100 lbs. each of fresh meat and vegetables.

Chas. Sale,
Ensign, USN.

8. A.M. to Meridian

Clear and pleasant. Light airs to breezes from West and N.W. by W. Making preparations for getting underway. At 8:45 made signal Ans 12. Boarded by Pilot. Called all hands and at 9:00 got underway and under com of Captain proceeded up Elizabeth River. Draft of ship fwd 13'6" Amidships 15'0", aft 16'3". At 10:30 came to anchor below Quarantine Station in 4½ fathoms of water with 15 fathoms port chain. At 11:00 Quarantine Officer boarded and granted pratique. Swung to flood tide after anchoring. Average steam 60. Average revolutions 38.5

F. K. Ballou Ensign, USN.

Meridian to 4 PM

Fair and pleasant. Light airs from N.W. to West. At 10:40 got underway and stood up to the Navy Yard of Norfolk, Va, and secured to the dock at 1:40. At 1:50 fired a salute of 13 guns which was answered by 7 guns by the St Helena battery. Let fires die down in boilers C and D and banked fires in boiler B. The Commander guard and official visit to the Commandant.

C. W. Fahs
Lieut, USN.

4 to 8 PM

Clear and pleasant. Light airs to breezes from SW. Barometer steady.

F. K. Ballou Ensign, USN.

8 PM to Midnight

Clear and cool. Light SW airs. Heavy dew.

C. W. Fahs
Lieut, USN.

Examined and found to be correct.

E. F. Leiper,
Lieut. Navigator.

4—200

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, at noon.	State of the Sea.
A. M.																		
1				Moored to Dock	SW	1			30 06	64	48	47		ber	A.S.		4	
2						1			30 07	64	48	47		"	"		3	
3					Calm	0			30 04	63	47	47		"	"		3	
4					"	0			30 03	62	47	44		ver	S.		10	
5					"	0			30 02	64	44	47		"	"		10	
6					"	0			30 02	61	48	48		vem	"		10	
7					N.W.	2			30 03	59	48	48		"	"		10	
8					N.N.E.	3			30 04	57	47	46		"	S-Cu		10	
9					North	3			30 05	60	44	46		bem	A.S.		7	
10						3			30 06	61	48	46		"	"		7	
11					N.N.W.	2			30 07	65	54	48		"	"		5	
Noon.					"	2			30 07	67	57	49		"	"		5	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag Dem. For Alt.
73- 67 63

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, ~~500~~ gallons.

Water distilled, during the preceding 24 hours, 950 "

Water remaining on hand fit for use at noon, ~~2700~~ "

Coal consumed during the preceding 24 hours, 2 tons, 20 lbs.

Coal remaining on hand at noon, 22 " 89 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, at noon.	State of the Sea.
P. M.																		
1				Moored to Dock	N.W.	3			30 07	69	55	51		bed.	N.		8	
2					North	3-4			30 10	66	47	44		begut	"		9	
3					"	5			30 11	63	47	44		beg	Cu.		8	
4					"	5			30 14	61	45	43		be	"		9	
5					"	5			30 16	58	43	42		"	"		5	
6					"	5			30 21	58	41	41		beh	"		8	
7					"	5-6			30 21	58	41	41		beg	"		9	
8					"	5-6			30 25	58	40	39		"	"		9	
9					N.N.W.	4			30 25	54	41	39		be	Cu-Cu		5	
10					"	4-5			30 25	52	41	39		"	"		7	
11					NW	5			30 24	57	40	39		oe	Cu-S		10	
Mid.					"	4			30 24	52	40	38		be	"		9	

4—2 5

under the command of Commander Frank Curtis , U. S. Navy,

Wednesday, April 4th , 1900 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Cloudy to overcast and rainy. Light SW. airs and calms. Barometer falling.

Ensign, USN.

4 to 8 A.M.

Overcast. Raining till 4:30. Calm and light to gentle breezes from NW and NNE. Barometer rising slowly. Unrove fore and main t'gallant gear and broke out sail room for survey.

H. H. Belvin Ensign, USN.

8 A.M. to Meridian

Fair and pleasant. Gentle breeze from North to light breeze from NNW. At 9:30 inspected at quarters. Received in Pay dept for the crew fresh provisions as follows:- 160 lbs of bread, 200 lbs of meat, and 200 lbs of vegetables. The Commanding Officers of the Franklin and Porter called upon the Commander.

Lieut, USN

Meridian to 4 P.M.

Cloudy and pleasant. Gentle to moderate breze from NW and North. Barometer rising. A Board of Survey of which Commander N.E. Niles, USN was senior member met on board to survey articles in Equipment. A. J. Curran (A.S.) and E. Barnes (A.S.) were this day discharged from the ship by order of the Bureau of Navigation for inaptitude. The following apprentices were granted furlough and their accounts transferred to the U.S.R.S. Wabash: for 10 days; Charles L. Beede, Albert Bottarini, Robert A. Amerose, Daniel J. Gourley, Philip C. Franke, Fred Groe, William F. Toule, Henry B. Gerwitz, Wallace J. Haley, Joseph Arnold, John Holmes, Walter E. King, Tom S. Lonne, Joseph W. Nelson, Paul F. Simonne, W.S.W. Martin, Nathaniel A. Potter, Edward L. Royal, William Schuler, Charles W. Smith, and Harry A. Walsh; for 15 days; Thurston P. Bellon, Claud Benson, William T. Coates, John Cleve, John Larkin, Thomas N. McLaughlin, James N. Shain, and Adrian A. Whitney. J. Holme and C. Magown (A.S.) were released from confinement by order of the Commanding Officer.

Ensign, USN.

4 to 8 P.M.

Cloudy and cold. Passing rain squalls with occasional hail. Stiff to fresh breeze from North. Chaplain F. A. Gill left the ship on a weeks leave of absence. Lieut. C. C. Wright received orders directing him to proceed to Washington for examination preliminary to promotion and upon the completion of the examination to return to the Asiatic Coast and resume his present duties. Ensign W. S. Turpin received the same orders.

Lieut, USN.

8 P.M. to Midnight

Fair to overcast. And moderate breze with stiff to fresh gusts. Barometer steady. Mean strength

Ensign, USN.

Examined and found to be correct.

E. F. Leiper.

Lieut Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1	Moored to Dock.				N.W.	45			30 26	52	40	38		bc.	s-m.		8	
2					"	4			30 26	54	39	38		"	"		6	
3					"	4			30 26	54	38	37		"	"		5	
4					"	4			30 26	54	38	37		"	ci.		2	
5					"	4			30 27	50	37	35		"	"		/	
6					North	4			30 30	49	36	34		"	ci-cu		/	
7					"	4			30 31	45	38	36		"	"		/	
8					"	4			30 33	50	40	37		"	ci.		/	
9					"	4			30 34	52	42	39		"	"		/	
10					"	4			30 34	56	44	39		"	"		/	
11					"	4			30 34	58	50	45		"	"		/	
Noon.					"	3			30 32	58	50	40		"	"		/	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 71 64-63.

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 45-0 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 21 " 829 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving from.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.	Moored to Dock.																	
1					N.W.	4			30 31	62	54	47		b-	mc		0	
2					"	4			30 28	63	54	47		bc.	ci.		/	
3					"	4			30 25	62	52	46		"	"		2	
4					"	3			30 23	62	56	47		"	ci-cu		3	
5					"	2			30 21	65	59	53		"	"		/	
6					"	2			30 21	64	56	52		b-m.	"		/	
7					Calm.	0			30 20	64	57	51		b-mw	"		/	
8					"	0			30 19	62	49	48		"	"		#	
9					"	0			30 18	63	47	46		b-w	ci.		3	
10					"	0			30 17	63	45	44		"	"		3	
11					N.W.	2			30 15	63	44	43		"	"		3	
Mid.					"	4			30 11	62	44	43		"	"		3	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday April 5th, 1917.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended 12 M.

Fair and cold. Moderate and stiff breezes from N.W. Barometer steady.

Clif Manion
nsign, USN.

C. M. Jahs
ieut, USN.

steady. At 9:30 mustered at quarters,
SN., was senior member, and also
survey articles in ordnance and
was drawn by order of the
for the following fresh provisions:

Kirt Dru
nsign, USN.

Barometer falling slowly. At 2
transferred to the USS Ark Franklin.
About 11:50 loosed sail and about 2:00
ed to the Navy Yard, Washington
der U. S. Rules. USS Navy, work
Department of this ship Navy
Manion.
nsign, USN.

steady. The following apprentice
chmond (see list). The following
USRS. Vermont (see list); and
the USRS. Franklin (see list).
Bureau of Navigation for magnitude

Kirt Dru
nsign, USN.

nsign USN.

ht and moderate breezes from
f Manion,
nsign, USN.

Apprentices 3rd Class this day granted leave of absence with orders to report on board Receiving Ships as follows:- USRS. Richmond

For 10 days.

Robert G. Berry	Clarence Barnes	Robert H. Calhoun
W. A. Derrick	Thomas Macfeat	P. D. O'Neill
Michael Erb	Frank Manser	Alfred G. Rees
Frank Ford	Earl C. Magown	Harry L. Sherwood
A. C. Hayden	George A. McCann	Harvey A. Stover
T. F. Hellings	John G. O'Donnell	Alvin E. Skinner
Benj. Snyder		

For 15 days.

Wm. G. Barnhisel	Daniel F. Foley	Frank L. Philips
Joseph B. Dalton	Walter G. Mullen	Charles Senft
Wm. F. Schegel	Alfred Winder	

USRS. Vermont.

For 10 days.

C. B. Allan	J. A. Bogan	Chas. J. Bolender

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—225

under the command of Commander Frank Courtis , U. S. Navy,

Thursday, April 5th , 1917.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and ended AM

Fair and cold. Moderate and stiff breezes from N.W. Barometer steady

Alf Manion
nsign, USN.

D. M. Jahs
ieut, USN.

steady. At 9:30 mustered at quarters,
SN., was senior member, and also
survey articles in ordinance and
was drawed by order of the
tor the following fresh provisions

Thos Gru
nsign, USN.

Barometer falling slowly. O.L.
ransferred to the USS Ark Franklin
About 11:50 loosed sail and about 2:00
ed to the Navy Yard, Washington
der N.B. Piled USN Navy, wide
Department of this ship's navy

Manion
nsign, USN.

steady. The following apprentice
ichmond (see list). The following
USRS. Vermont (see list); and
the USRS. Franklin (see list).
Purpose of Navigation for nautical

Alfred Gru
Ensign, USN.

Ensign USN.

ht and moderate breezes from
Manion,
nsign, USN.

George A. Arfurt. Elmer P. Gur Joseph W.F. Clyle.
Thomas Donovan. Charles Hartman John C. Finde.
Thomas J. Dowling Wm A. Johnson. Samuel Fridlow
J.A.M. Daly John Kelly Jr. J.M. Maurer.
John P. Geary. Ed. A. Kirk. Frank G. Mehling
Alfred P. Nilsson Arthur P. Nolen Geo. J. O'Neill
John D. Pettet Louis Placet Geo A. Punshagon
Haray Shearer. J.F.P. Seigman Louis C. Stulb.
W.W. Totten F.D. Williams Robt J. White
G.W. Wroblage.

For 15 days.

M.B.S. Barlow Herbert T. Burr. Ruben Lewis
Henry Nason Dan'l Rothenback Henry Waterhouse
Herman White

U.S.R.S. Franklin.

A.F. Martini 10 Days
James Gray 10 Days.
C.V.V. Eddings 10 Days
O.L. Hampdon 15 Days.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—203

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, April 5th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

ence and until 4 A.M.

Fair and cold. Moderate and stiff breezes from N.W. Barometer steady.

C.H. Manion
nsign, USN.

D. McJahs
ieut, USN.

steady. At 9:30 mustered at quarters, N., was senior member, and also survey articles in ordinance and was revoked by order of the tor the following fuel provisions

Kear Lieu
nsign, USN

Barometer falling slowly. A.L. ransferred to the USS Franklin. About 11:50 towed sail and about 2:00 red to the Navy Yard, Washington nder N.B. Tiled. U.S. Navy, was Department of this ship Navy

Manion
nsign, USN.

steady. The following apprentices Richmond (see list). The following USRS. Vermont (see list); and d the USRS. Franklin (see list). Bureau of Navigation for inaptitude

A Fleet Lieu
Ensign, USN.

Ensign, USN.

ht and moderate breezes from

Manion,
nsign, USN.

Apprentices 3rd Class this day discharged by order of the Bureau of Navigation for inaptitude.

A. T. Hines	J. J. Fromton.
J. A. Bissel	P.O.J. Kammnischky.
C.D. Mullen	C. F. Reiff
N. J. Jeter	A. Walser.
L. A. Frank	

4.08 p.m.

A Fleet Lieu
Ensign USN

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—255

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, April 5th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 AM.

Fair and cold. Moderate and stiff breezes from N.W. Barometer steady.

W. F. Manion
Ensign, USN.

4 to 8 AM.

Clear and cold. Moderate breeze from N.W. to North.

C. M. Fahs
Lieut, USN.

8 AM. to Meridian.

Clear and cool. Moderate breeze from North. Barometer steady. At 9:30 mustered at quarters, no absentees. At 10:00 a board of survey of which Commander R.R. Ingersoll, USN., was senior member, and also one of which Lieut. Bunkley, USN., was senior member met on board to survey articles in ordnance and construction respectively. The Acting appointment of W.A. Simpson, Carp. was revoked by order of the Bureau of Navigation. Received on Pay Account from Aaron Mann, Contractor the following fresh provisions: 109 lbs of bread, and 105 lbs. each of beef and vegetables.

W. F. Manion
Ensign, USN.

Meridian to 4 PM.

Fair and pleasant. Moderate and gentle breezes from N.W. Barometer falling slowly. O.L. Hampton (A.B.C) was granted 15 days leave of absence and his accounts were transferred to the U.S.S. Franklin. F. Flotos (Ord.) was transferred to the U.S. Naval Hospital, Norfolk Va., for treatment. About 1:50 moored ship and about 3:00 furled and unbent all sail, and sent it below. Wm. A. Simpson (Asst. Carp.) was transferred to the Navy Yard, Washington, D.C., with bag and hammock. At 3:00, a Board of Survey of which Commander N.B. Miller, U.S. Navy, was senior member, held a survey on articles in the Equipment (Navigation) Department of this ship. Navy Yard workmen engaged in dismounting gun No. 146.

W. F. Manion
Ensign, USN.

4 to 6 PM.

Clear and cool. Light breezes and airs from N.W. Barometer nearly steady. The following apprentices were granted leave of absence with orders to report on board the U.S.R.S. Richmond (see list). The following apprentices received leave of absence with orders to report on board the U.S.R.S. Vermont (see list); and the following were granted leave of absence with orders to report on board the U.S.R.S. Franklin (see list). The following apprentices were discharged from the service by order of the Bureau of Navigation for inaptitude (see list).

W. F. Manion
Ensign, USN.

6 to 8 PM.

Clear and cool. Calm.

F. C. Feldman Ensign U.S.N.

8 PM. to Midnight

Clear and pleasant. Bright moonlight. Calm to light and moderate breezes from N.W. Barometer falling slowly.

W. F. Manion,
Ensign, USN.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Morning form.	CLOUDS. Amount, eights.	State of the Sea.
A. M.																		
1				Moored to Dock.	N.W.	4			30.09	62	52	50		bc	Cu-Cu		1	
2					W.N.W.	3			30.08	64	52	50		b.	More		0	
3					"	2			30.06	63	52	50		"	"		0	
4					"	2			30.05	63	52	50		"	"		0	
5					N.W.	2			30.05	63	48	46		"	"		0	
6					"	2			30.05	62	47	44		bc	Cu		2	
7					"	2			30.04	60	50	48		"	"		2	
8					"	2			30.03	57	67	49		"	"		2	
9					"	4			30.01	62	57	57		"	Cu-Cu		4	
10					"	3			30.01	66	59	53		"	Cu-Cu		7	
11					"	4			30.00	67	62	54		"	"		7	
Noon.					"	4			29.96	69	65	57		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Aft.
Longitude by ° ′ ″ For. 43- 65-64

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 360 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1900 "

Coal consumed during the preceding 24 hours, tons, 1000 lbs.

Coal remaining on hand at noon, 20 " 2069 "

P. M.				Moored to Dock.														
1					W.N.W.	4			29.98	73	72	65		bc.	Cu-Cu		3	
2					"	4			29.91	76	73	66		"	"		3	
3					N.N.W.	4			29.91	77	73	66		"	Cu.		3	
4					"	3			29.89	77	73	64		"	"		4	
5					"	3			29.89	77	68	60		"	Cu-Cu		8	
6					"	2			29.88	77	64	58		"	Cu-Cu		7	
7					"	2			29.88	76	64	58		"	"		8	
8					N.W.	2			29.88	78	63	58		oc	Cu-S.		10	
9					W.N.W.	3-5			29.88	70	64	62		bcgp	"		6	
10					"	4			29.86	70	64	63		bc	"		5	
11					N.W.	3			29.87	71	64	63		oc	"		10	
Mid.					"	3			29.86	67	63	62		"	S.		10	

under the command of Commander Frank Courtis , U. S. Navy,

Friday, April 6th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 4 A.M.

Clear and pleasant. Moonlight first part. Moon set at 12:55. Light to moderate breezes from N.W. and W.N.W.

H. C. Gallaher Ensign, USN

4 to 8 A.M.

Clear and pleasant. Light N.W. breze. The following boys left the ship on leave of absence: for 10 days; Claire D. Ampblett, Mathew J. Barkalow, Phillip J. Cleary, Frank D. Chadsmith, Edward J. Colby, Maurice C. Donaldson, Gilbert H. Deane, George C. Frazer, Louis Honka, Valadimir Jedlicka, Frederick W. Kopp, Herbert La Berge, Alvin Lundgren, George W. Loydon, Rose J. Muto, Harvey A. Moore, Gilbert C. Mollison, Roman Penno, Raymond H. Porter, Harry Pohmen, John F. E. Sherman, Frank A. Szymkowich, Rose Sample, Robert W. Simonin, Godfrey P. Schurz, Gustave C. Tomcke, and George Weichelt; for 15 days; Alpha B. Guest, Harley M. Massie, Clarence M. Perry, Joseph M. Richards, Richard J. Simpkin, and Clarence M. Woodruff; all the above named apprentices were transferred to the USRS Franklin with their necessary transfer papers, bags and hammocks prior to going on leave.

C. McFalls Lieut., USN.

8 A.M. to Meridian.

Fair and pleasant. Gentle and moderate breezes from N.W. Barometer falling slowly. At 9:30 mustered all hands (no absentees). Received in the Department of Supplies and Accounts the following fresh provisions:- 66 lbs bread, and 65 lbs each of meat and vegetables. W. White (Bm 2 c) reported the expiration of the term of his enlistment this day. W. G. Barnhardt (A S C) was transferred to the U. S. R. S. Richmond, with bag and hammock and granted 15 days leave of absence. Sent log carriage of gun No. 146 to Ordnance building by order of Bureau of ordnance. Many yard workmen at work in Steam engineering and Ordnance departments.

W. H. Manion Ensign, USN

Meridian to 4 P.M.

Fair and pleasant. Moderate and gentle breezes from W.N.W. to N.N.W. Their terms of enlistment having expired the following men were discharged:- D. B. Tassie (C M 2 c) C.S.C. 12571 honorable discharge; Wm White (Bm 2 c) C.S.C. 12571, ordinary discharge; P. Wolff (Fl) ordinary discharge. T. Ahearn (C F) was discharged from the service with a bad conduct discharge. Turned in to General Storekeeper all empty ammunition boxes. Cleaned and disinfected bilges. Tested magazine flood and drain cocks and found them to be in good working order. Two yard workmen at work in Steam Engineering department of this ship.

W. H. Manion Ensign, USN.

4 to 8 P.M.

Fair and pleasant, overcast last hour. Light and gentle breezes from N.N.W. to N.W. Barometer steady. Navy yard workmen left the ship about 5:00.

W. H. Manion Ensign, USN.

8 P.M. to Midnight

Generally overcast and cloudy, with passing rain squalls. Gentle to stiff breezes from W.N.W. decreasing to steady gentle breze from N.W. Barometer falling slowly.

W. H. Manion Ensign, USN.

Examined and found to be correct.

F. F. Leiper Lieut. Navigator.

4-285

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Varying Forms.	CLOUDS. Amount, each=10.	State of the Sea.
A. M.																		
1				Moored to Dock.	N.W.	3			29 86	66	63	60		oc.	St		10	
2				"	"	2			29 86	68	63	62		"	"		10	
3				"	"	2			29 85	68	63	62		"	"		10	
4				"	"	2			29 85	64	62	62		"	"		10	
5				"	"	2			29 83	67	60	60		"	"		10	
6				"	"	1			29 83	68	59	58		"	Cu		10	
7				"	Calm.	0			29 83	65	58	56		"	"		10	
8				"	"	0			29 82	66	57	56		"	"		10	
9				"	N.W.	1			29 83	67	58	57		"	Cu-S.		10	
10				"	"	1			29 83	69	58	57		oem.	"		10	
11				"	"	2			29 83	70	62	58		"	"		10	
Noon.				"	N.N.W.	2			29 83	70	63	58		"	"		10	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Alt.

Longitude by ° ′ ″ 73- 64 64

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 100 "

Water remaining on hand fit for use at noon, 1750 "

Coal consumed during the preceding 24 hours, tons, 1600 lbs.

Coal remaining on hand at noon, 20 " 569 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air-Dry Bulb.	TEMPERATURE. Air-Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Varying Forms.	CLOUDS. Amount, each=10.	State of the Sea.
P. M.				Moored to Dock.														
1				"	North	1			29 82	73	72	65		bc.	a-cu		3	
2				"	Calm.	0			29 80	76	73	66		"	"		3	
3				"	"	0			29 79	77	73	66		"	ci.		3	
4				"	North	1			29 80	77	73	64		"	"		4	
5				"	"	1			29 80	77	68	60		"	ci-cu		8	
6				"	East.	1			29 81	76	64	59		"	"		7	
7				"	"	1			29 81	72	64	59		"	"		8	
8				"	"	1			29 80	70	63	59		oc.	Cu-S.		10	
9				"	Calm	0			29 83	70	64	62		brgt.	"		6	
10				"	"	0			29 83	71	64	63		bf.	"		5	
11				"	"	0			29 83	69	64	63		vbr.	S.		10	
Mid.				"	"	0			29 83	67	63	62		"	"		10	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, April 7th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cloudy. Gentle and light breezes from N.W. Barometer steady.

W. D. Marion,
Ensign, USN.

4. to 8. A.M.

Overcast and cloudy. Light airs and breezes from N.W. to calm. Barometer falling slowly. Chief Yeoman T. S. Gay left the ship on ten days' leave of absence.

W. D. Marion
Ensign, USN.

8. A.M. to Meridian.

Overcast and cool. Light airs to breezes from N.W. and N.N.W. At 9:30 mustered at quarters, no absentees. Received in Pay Dept. for issue 48 lbs. bread, 20 lbs. each fresh meat and vegetables. The Captain paid official visit to Commanding Officer of the Franklin and of the Porter.

H. E. Baldwin Ensign, USN.

Meridian to 4. P.M.

Cloudy then clearing. Calm and light airs from North. Received in Equipment Dept.: 22 coils assorted cordage, 5 lbs. serving stuff, 10 lbs. cotton twine, 24 single hooks, 24 sister hooks, 12 rings, 24 wire thimbles, 24 composition thimbles, 12 marlin spikes, 10 lbs. lead wool, 2 gross matches. O. Ewell (Asst. Surg.), G. M. Case (Gun. C), W. J. Drummond (Ens.), and M. G. Sullivan (Ens.) left the ship on seven days' leave. Commenced distilling at 2 p.m.

H. E. Baldwin Ensign, USN.

4. to 8. P.M.

Clear and pleasant. Light airs from North and East. Received in Pay Dept. for issue 48 lbs. bread, 60 lbs. each fresh meat and vegetables.

H. E. Baldwin Ensign, USN.

8. P.M. to Midnight.

Clear and pleasant. Moonlight. Calm.

H. E. Baldwin Ensign, USN.

Examined and found to be correct.

E. F. Leiper
Lieut. Navigator.

4-265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to dock.	Calm.	0			29 83	60	54	53		bc.	A.Cu.		5	
2					"	0			29 83	60	54	53		"	"		3	
3					"	0			29 83	59	57	57		"	"		2	
4					"	0			29 83	59	57	57		"	"		2	
5					North	1			29 84	61	50	49		b.	Cmc.		0	
6					"	1			29 86	61	51	50		"	"		0	
7					Calm.	0			29 88	60	54	53		"	"		0	
8					"	0			29 89	62	56	55		"	"		0	
9					E. N. E.	1			29 90	64	60	56		bc	A.Cu.		2	
10					"	1			29 92	64	64	60		"	"		1	
11					N. E.	1-1			29 92	69	70	65		"	"		1	
Noon.					"	0-1			29 92	73	74	69		"	"		1	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For. Aft.
Longitude by ° ′ ″ 71 64 62

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water distilled during the preceding 24 hours, 1400 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, 1 tons, 460 lbs.

Coal remaining on hand at noon, 19 " 109 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving, form.	Amount, scale 10.	State of the Sea.
P. M.				Moored to dock.														
1					North	2			29 89	74	74	67		bm.	Cmc.		5	
2					"	1			29 88	76	76	68		bcm.	Cu.		2	
3					E. N. E.	2			29 87	76	75	67		"	A.Cu.		3	
4					"	2			29 87	76	74	67		"	"		3	
5					S. E.	2			29 87	76	70	64		"	A.S.		5	
6					"	1			29 87	72	65	61		"	A.Cu.		7	
7					E. S. E.	1			29 87	69	61	57		"	A.Cu.		9	
8					"	1			29 89	67	59	56		"	"		9	
9					E. N. E.	2			29 90	65	58	54		ocm.	"		10	
10					"	1			29 90	64	57	53		"	"		10	
11					"	2			29 91	63	56	53		bcm	"		9	
Mid.					"	4			29 91	61	55	53		"	"		9	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, April 5th, 1903.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and pleasant. Moonlight. Moon set at 1.50. Calm.

F. P. Baldwin Ensign, USN.

4. to 8. A.M.

Clear and fine. Calm and light airs from North. At 6.00 stopped distilling.

F. P. Baldwin Ensign, USN.

8. A.M. to Meridian.

Clear and pleasant. Light airs from E.N.E. and N.E. At 9.30 mustered the crew, absentees:- T. Thornton, (Sick), and L. P. Wilhelm, Sick, both over leave. Ensign, W.S. Turpin returned from leave.

Ralph Earle,
Ensign, USN.

Meridian to 4. P.M.

Clear and pleasant. Light airs and breezes from North to E.N.E.

Ralph Earle,
Ensign, USN.

4. to 8. P.M.

Cloudy and cool. Light airs and breezes from S.E. and E.S.E. Ensign W.S. Turpin left the ship to report for examination for promotion at Washington.

Ralph Earle,
Ensign, USN.

8. P.M. to Midnight.

Overcast and cloudy. Light E.N.E. ly airs and breezes increasing to moderate last hour.

Ralph Earle,
Ensign, USN

Examined and found to be correct.

E. F. Leiper
Fleet Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sketch.	State of the Sea.
A. M.																		
1				Moored to Dock.	N.E.	45			29 90	58	55	51		bc	a.cu		9	
2					"	4			29 90	57	53	50		"	"		8	
3					"	5			29 91	55	51	48		oc	S		10	
4					"	4			29 91	54	49	47		"	"		10	
5					"	4			29 94	54	47	45		"	"		10	
6					"	4			29 97	53	46	44		bc	Cu		8	
7					"	4			29 98	54	45	43		oc	S.cu		10	
8					"	4			30 01	55	46	43		oc	"		10	
9					"	3			30 05	57	44	42		oc.	S.		10	
10					"	3			30 03	55	48	42		"	"		10	
11					"	3			30 04	56	44	42		"	"		10	
Noon.					"	3			30 04	58	46	44		bc	"		9	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. For 24 hrs
Longitude by ° ′ ″ 70- 68-61

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2680 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 18 " 849 "

Hours.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, sketch.	State of the Sea.
P. M.				Moored to dock														
1					N.E.	3			30 05	60	45	44		bc	Sa.cu		9	
2					"	3			30 05	62	46	44		"	"		9	
3					"	3			30 05	63	48	45		"	"		9	
4					"	3			30 05	64	48	45		"	"		9	
5					East.	2			30 06	63	48	46		brm.	"		5	
6					"	2			30 09	62	48	46		"	"		5	
7					"	1			30 09	62	46	45		brum	"		9	
8					"	1			30 12	62	46	45		"	"		5	
9					North.	1			30 13	61	44	43		"	Q.cu		6	
10					West.	1			30 12	60	44	43		"	"		5	
11					"	1			30 12	58	43	43		"	"		2	
Mid.					Calm.	0			30 12	56	43	43		"	"		2	

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Monday, April 9th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy, and cool. Moderate to stiff N.E. by breeze.

Ragnar Edes.
Ensign, USN.

4 to 8 A.M.

Overcast, cloudy, and cold. Light rain last hour. Moderate N.E. by breeze. Barometer rising

Ragnar Edes.
Ensign, USN.

8 A.M. to Meridian.

Overcast, raw and cold. Light rain first part. Gentle breeze from N.E. At 9:30 mustered at quarters: absent without leave T. Parmiter (Fde) and L.P. Wilhelm (Flo.). Received in Pay Dept for the crew fresh provisions as follows: 60 lbs. meat, 60 lbs. vegetables, and 48 lbs. of bread. At 11:00 the "Fredk" came out of the Dry Dock.

C. W. Faks
Lieut., USN.

Meridian to 4 P.M.

Cloudy, raw and cold. Gentle to light breeze from N.E. Received from Bureau of navigation 1 Continuous Service Certificate #14194 for E. Le Jeune (Act). Lieut. E.E. Wright and Ensign W.J. Marion left the ship to go before the Naval Examining Board at Washington. Wm. C.P. Cox (Apl 3 C) was this day discharged by reason of purchase authorized by the Bureau of Navigation. Received in Equipment Dept. 6 corn brooms, 75 coir brushes, 6 wire brushes, 1 bbl of lime, 6 bolts of assorted canvas, 31 yds parcelling cotton, 150 sail needles, 25 lbs rigging leather, 25 lbs of bellows leather, 21 gallons of asphaltum, 50 gals coal tar, 30 lbs lye, 75 lbs polishing paste, and 500 pkgs. toilet paper.

C. W. Faks
Lieut., USN.

4 to 8 P.M.

Cloudy and cold. Light breezes and airs from East.

C. W. Faks
Lieut., USN.

8 P.M. to Midnight.

Cloudy to fair. Cold. Light airs from North to West. Calm last hour.

C. W. Faks
Lieut., USN.

Examined and found to be correct.

F. F. Leiper
Lieut. Navigator.

4—203

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moved to dock, Navy Yard, Norfolk Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving. Direct.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1				Moved to dock	Calm.	0			30 12	55	41	41		bw	Sme		0	
2					E. N. E.	1			30 13	54	39	39		"	"		0	
3					"	1			30 13	54	39	39		bmw	"		0	
4					"	1			30 15	53	39	39		"	"		0	
5					N. N. W.	1			30 16	54	40	39		"	"		0	
6					"	2			30 18	54	41	40		"	"		0	
7					N. E.	3			30 21	52	43	43		br	Cu. N.		8	
8					"	3			30 26	53	43	42		"	Cu.		8	
9					"	3			30 29	55	43	42		bsm.	Cu Cu		9	
10					N. N. E	4			30 31	56	45	43		"	Ci.		5	
11					"	3			30 32	57	50	48		"	"		4	
Noon.					"	2			30 33	59	52	49		"	"		4	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Tem.
Longitude by ° ′ ″ For Aft
70- 63-6

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 24450 "

Coal consumed during the preceding 24 hours, tons, 15 cwt lbs.

Coal remaining on hand at noon, 17 " 1589 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving. Direct.	CLOUDS. Amount.	State of the Sea.
P. M.				Moved to dock														
1					N. N. E.	2			30 30	58	50	48		br	Ci.		1	
2					"	1			30 28	62	56	52		"	"		1	
3					"	2			30 27	64	55	51		br	Sme		0	
4					N. E.	2			30 29	64	53	49		"	"		0	
5					"	3			30 29	61	50	47		br	Ci.		0	
6					"	3			30 30	59	47	46		"	"		8	
7					East.	2			30 32	59	44	43		"	Ci-S.		3	
8					"	1			30 33	58	43	42		"	"		2	
9					E. S. E.	1			30 35	58	42	41		"	Ci Cu		5	
10					Calm.	0			30 35	58	42	41		"	"		3	
11					"	0			30 37	59	43	41		"	Cu Cu		8	
Mid.					"	0			30 36	58	42	41		"	"		9	

under the command of Commander Frank Courtis , U. S. Navy,

Tuesday, April 10th , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and cold. Calm first hour. Light airs from S.W. & S. remainder from S.E. Mustered at quarters at 9.30, absent over leave T. Thornton (Ldg) and L.P. Wilhelm (Ldg). Found F.R. Robbins (C.P.) absent from the ship without permission. Received on Pay Dept. for issue 60 lbs each fresh meat and vegetables, 48 lbs bread. J.W. Johnson (Ch. Yeo) U.S.C.G. 4865 was this day honorably discharged from the Naval Service, by order of the Bureau of Navigation and at his own request, he having less than three months to serve on this enlistment. 4 machinists and 4 helpers, 5 boilermakers and 4 helpers, from Steam Engineering Dept. of the Yard forces at work in Engine and Fire Rooms during entire watch. Received in Ordnance Dept. 25 lbs 15 thread manilla, 1 sweat fuze, 10 ctg. white feathers, 3 ctg. black feathers, 50 "A" targets, 50 "B" targets, 6 firing pins 6 pdr., 1 sponge brush 6 pdr., 1 tompion 6 pdr., 1 bayonet scabbard, 2 single sticks, 4 extractor springs, 1-22 cal rifle, 1-6 m/m rifle complete, 1 great gun target complete.

T.C. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Clear and fine. Light airs to gentle breezes from N.N.E. and N.E. Navy Yard workmen on board as in forenoon and 1 blacksmith and 1 helper in Construction dept. at work on steering gear sheaves from 2 till 3. At 2 housed main topgallant mast while backing under upper bend. Bidded again at 3.30. Received in Steam Eng. dept. 20 lbs 5/8" iron bolts, 6 dust brushes, 12 min. tube brushes, 12 paint brushes, 6 sash tool brushes, 12 whitewash brushes, 1 lb. dry clay, 10 lbs. marline, 4 rubber mats, 6 cocoa mats, 12 bath brick, 1 lb copper tacks, 6 gal. pails, 2 coal buckets, 3 dust pans, 6 sledge handles, 2 oil can feeders, 1 oil faucet, 10 lbs brass spring wire, 5 lbs. wire gauze, 3 lbs. machine screws, 10 lbs. lampwicking, 12 hand lamps, 2 burners for hand lamps, 500 bales spun, 50 lbs round steel, 250 lbs assorted packing, 25 lbs lye, 12 lbs. polishing paste, 100 lbs white lead, 5 gals. turpentine, 5 gals. Japan drier, 5 gals. raw oil, 100 lbs sal soda, 100 lbs. brown emery, 2 gals. copal varnish, 5 gals. asphaltum, 1 lb. vermillion, 50 lbs. tallow, 50 lbs white zinc, 1 lb. prussian blue, 50 gals. cylinder oil, 2 doz. gauge glasses, 20 lbs. assorted brass nipples, 25 reducing bushings, 2 doz. tees, 2 doz. unions, 1 doz globe valves, 2 doz. iron plugs, 1 doz. pet cocks, assorted stationary. F.C. Porter (Ch. Y. & A.), L. Franko (Ldg) and W. Preston (Ldg) left the ship on seven days leave.

T.C. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Clear and fine. Cool. Navy Yard workmen as in forenoon till 4:45. At 4:50 the Newport left the Navy Yard, towed by tug "Standish".

T.C. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Cloudy and pleasant. Light airs from S.S.E. then calm.

T.C. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F.F. Leeper.
Lieut. Navigator.

LOG of the UNITED STATES Training Ship Essex, 2nd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, as to unit.	State of the Sea.
A. M.																		
1				Moored to Dock	Calm	0			30.36	59	42	41		oc.	Cu		10	
2				"	"	0			30.36	58	42	42		"	Cu S.		10	
3					East	2			30.36	58	42	41		ocp	"		10	
4					"	2			30.36	58	43	41		oc	"		10	
5					"	1			30.37	57	43	41		ocp	Cu.		10	
6					"	1			30.37	56	44	42		"	"		10	
7					"	2			30.40	53	44	42		oc.	Cu. S.		10	
8					"	3			30.38	54	44	43		"	"		10	
9					"	3			30.40	54	43	43		ocd.	"		10	
10					"	3			30.42	54	43	43		"	"		10	
11					"	3			30.43	55	43	43		oc	"		10	
Noon.					"	3			30.42	56	44	43		"	"		10	

Position at 8 A. M. { Latitude by ° ′ ″ Mag Temp. For Aft
Longitude by ° ′ ″ 70 – 69-61

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 2650 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 2200 "

Coal consumed during the preceding 24 hours, tons, 1000 lbs.

Coal remaining on hand at noon, 17 " 0-89 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Term.	CLOUDS. Amount, as to unit.	State of the Sea.
P. M.				Moored to Dock.														
1					East	4			30.41	54	44	43		ocm.	M.		10	
2					E. N. E.	4			30.39	54	43	43		ocpm.	"		10	
3					"	3			30.37	55	42	42		ocdm	"		10	
4					East	3			30.31	56	43	42		ocm	"		10	
5					"	3			30.34	54	43	42		oc	"		10	
6					"	2			30.30	53	42	41		ocr	"		10	
7					"	1			30.30	53	42	41		ocrl.	"		10	
8					"	1			30.28	54	43	42		ocrbl	"		10	
9					N. E.	2			30.26	53	44	43		ocrl	"		10	
10					"	2			30.24	52	45	44		"	"		10	
11					"	2			30.21	51	46	46		"	"		10	
Mid.					"	2			30.19	51	46	46		"	"		10	

4-25

under the command of Commander Frank Curtis, U. S. Navy,

Wednesday April 11th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast and cold. Calm and light breeze from East. Light passing rain squalls third hour.

H. C. Baldwin
Ensign, U.S.N.

4 to 8 A.M.

Overcast. Light rain first and last hour. Light to gentle breeze from East.

H. C. Baldwin
Ensign, U.S.N.

8 A.M. to Meridian.

Overcast and cloudy with light rain. Cold. Gentle Easterly breeze. Barometer high and rose slightly. At 9:30 mustered the crew, absentees:- L.O. Wilhelm, Ord. S., T. Thornton, Ord. S., both over leave, and F.L. Collins C.P., absent without leave. Received in Pay dept. for issue to crew 60 lbs. each of fresh meat and vegetables, and 45 lbs. of bread. The crew engaged in breaking out hold for cleaning. Lieut. E.E. Wright returned from examination for promotion. Lieut. E.F. Leiper left the ship on ten days leave. Received in dept. of Steam Engineering from General Storekeeper 300 gals. of Hard oil and 200 gallons machine oil. Yard workmen in Steam Eng. aboard all watch, 4 machinists, 4 helpers, 5 boilermakers 4 helpers Fire riggers of Equip. Dept. took down jib stay in order to fit new one. By order of the Commanding Officer placed J. J. Dunlean, F.1.c., in Double Irons until sober to await action for being drunk and attempting to leave the yard.

Ralph Earle,
Ensign, U.S.N.

Meridian to 4 P.M.

Overcast, cold, and raining. Moderate to gentle Easterly and S.W. by S. breeze. Barometer falling rapidly. Yard workmen as before in Steam Eng. aboard from 1. The following men left the ship on ten days leave of absence:- J. A. Sheehan, C.C.M., M. Moran, B.M. 2.c., M. Sulcon, B.M. 2.c., G. Bergeon, Mach. 1.c., and A. Duncan, Ord. S. Finished breaking out and cleaning hold.

Ralph Earle,
Ensign, U.S.N.

4 to 8 P.M.

Overcast and cold with rain, heavy at times accompanied by thunder and lightning last hour. Gentle breezes to light airs from East. Barometer falling. Yard workmen left ship at 5 P.M. By order of the Commanding Officer placed J. J. Dunlean, F.1.c., in confinement for seven days for being drunk and attempting to leave the yard.

Ralph Earle,
Ensign, U.S.N.

8 P.M. to Midnight.

Overcast, cloudy, cold, and raining. Light S.W. by S. breeze. Barometer falling.

Ralph Earle,
Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, tenths.	State of the Sea.
A. M.																		
1				Moored to Dock.	N. E.	2			30	13	53	50	49		ovdtk	N.		10
2					Calm.	0			30	10	56	50	50		overk	"	"	10
3					"	0			30	08	58	50	50		"	"	"	10
4					"	0			30	07	60	50	50		"	"	"	10
5					North	3			30	09	52	47	47		"	"	"	10
6					N. N. W.	3-4			30	11	57	47	47		overcast	"	"	10
7					Calm.	0			30	11	53	46	46		"	"	"	10
8					N. N. W.	1			30	11	55	45	45		"	"	"	10
9					Calm.	0			30	09	54	45	45		"	"	"	10
10					N. W.	1			30	11	57	47	47		ovd.	"	"	10
11					"	1			30	10	58	47	47		ov.	"	"	10
Noon.					"	1			30	08	62	51	51		"	"	"	10

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Mag. Temp. For Ask
69- 63-60.

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1950 "

Coal consumed during the preceding 24 hours, tons, 1000 lbs.

Coal remaining on hand at noon, 16 " 1809 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Form.	CLOUDS. Amount, tenths.	State of the Sea.
P. M.																		
1				Moored to Dock														
					N. W.	1			30	10	62	51	51		ov.	N.		10
2					"	1			30	09	65	54	54		"	"	"	10
3					"	1			30	08	68	55	54		"	"	"	10
4					North	1			30	08	66	54	54		ovd	"	"	10
5					N. N. E.	2			30	06	64	52	53		ovr.	"	"	10
6					"	3			30	04	62	53	51		ovrk	"	"	10
7					"	1			30	03	64	51	50		"	"	"	10
8					Calm.	0			30	03	65	50	50		overk	"	"	10
9					"	0			30	03	66	50	49		"	"	"	10
10					"	0			30	02	63	49	48		"	"	"	10
11					N. E.	1			30	00	62	48	48		"	"	"	10
Mid.					"	1			30	00	60	48	48		"	"	"	10

4—2 6

under the command of Commander Frank Curtis, U. S. Navy,

Thursday, April 12th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast, cloudy, and raining with thunder and lightning. Light N.E. breeze first hour, calm remainder. Barometer falling.

Ralph Earle,
Ensign, USN.

4 to 8 A.M.

Overcast, cloudy raining very heavily with thunder and lightning. Variable breeze varying from moderate to calm in general N.N.W'ly direction. Barometer stopped falling and rose slightly.

Ralph Earle
Ensign, USN.

8 A.M. to Meridian.

Overcast with heavy rain, thunder and lightning first part. Clearing latter part. Light airs from N.N.W. to N.W. Calm first hours. At 9.30 held muster of crew; L. R. Wilhelm (Fds.) and T. Thornton (Fds.) absent over leave, and F. L. Robbins (C.P.) absent without leave. R. Restad (Q.M. 3c) left the ship on seven days leave of absence. Received on Pay Dept's for crew fresh provisions as follows:- 60 lbs meat, 60 lbs vegetables and 48 lbs of bread. Ordnance Dept's Picket Launch came alongside to take out ammunition of the 4 and 6 pdrs.

C. W. Fahs
Lieut., USN.

Meridian to 4 P.M.

Cloudy and overcast. Light airs from N.W. to North. Transferred from the Ordnance Dept. of this vessel to the General Storekeeper of this Navy Yard, 50 chests of 6 pdr. ammunition, 5 chests of 1 pdr. ammunition, and 550 - 6 pdr. A. P. cartridges and 300 - 1 pdr. A. P. cartridges. W. H. Tandrey (C.C. 4c) left the ship on seven days leave of absence. S. Walton Lobe (W.R. Cook) left the ship on 3 days leave. Received in Construction Dept. 6 doz paint brushes, 6 glass lights, 40 lbs assorted nails, 15 gross screws, 5 lbs copper tacks, 10 lbs escutcheon pins, 1 square, 6 sheets of tin, 3 lbs glue, 30 gals alcohol, 5 lbs Japan dryer, 75 gals raw linseed oil, 1 lb blue paint, 1 lb green paint, 300 lbs white lead, 200 lbs white zinc, 70 lbs graphite, 25 lbs putty, 75 lbs gum shellac, 30 gals turpentine, 50 lbs French yellow ochre, 50 lbs venetian red in oil, 50 lbs venetian red dry, 6 gals. asphal varnish, 6 gals spar varnish, 200 sheets emery cloth, 200 sheets sand paper, 6 rules 2 ft., 1 stillson wrench, 12 assorted files, 12 hacksaw blades, 6 carpenters pencils, 1 pair mittens, 6 boat clumps, 1 oil stone. Received in Ordnance Dept. 33½ yds sheeting, 1 lb lamp wicking, 100 lbs Cleaning waste, 10 gals glycerine, 5 gals dryers, 2 gals spar varnish, 10 gals raw linseed oil, 5 gals turpentine, 150 lbs white lead, 100 lbs white zinc, 20 lbs tallow, 25 lbs lye, 300 sheets emery cloth, 50 lbs waste, 50 yds cotton canvas, 50 sheets sand paper, 100 lbs petrolatum.

C. W. Fahs
Lieut., USN.

4 to 8 P.M.

Overcast with heavy rain, thunder and lightning. Light breeze and airs from N.N.E. Calm last hour.

C. W. Fahs
Lieut., USN.

8 P.M. to Midnight.

Overcast with very heavy rain, thunder and lightning. Calm first part, light N.E. airs latter part.

C. W. Fahs Lieut., USN.

Examined and found to be correct.

F. F. Leeper,
Lieut. Navigator.

4—255

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	Air. Dry Bulb.	Air. Wet Bulb.	Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	Moving From.	Amount, quarters	State of the Sea
A. M.																		
1				Moored to Dock.	South.	2			29 99	61	45	48		ocd.	Strn.		10	
2				"	"	2			29 98	62	47	47		"	"		10	
3					S.S.W.	1			29 97	63	47	47		"	"		10	
4					Calm.	0			29 97	61	47	47		"	"		10	
5					"	0			29 96	61	48	48		"	"		10	
6					"	0			29 95	60	48	48		ov.	A.S.		10	
7					S.W.	1			29 98	58	48	48		"	"		10	
8					"	1			29 98	58	48	48		"	"		10	
9					"	2			29 99	58	48	48		ocd.	Strn.		10	
10					"	2			29 99	57	48	48		"	"		10	
11					"	2			30 01	59	47	47		ovm.	"		10	
Noon.					W.S.W.	2			30 01	60	47	47		"	"		10	

Position at 8 A. M.: Latitude by ° ′ ″ Mag. Temp. Air

Longitude by ° ′ ″ For. 69- 62-61

Position at noon: Latitude by observation ° ′ ″

Longitude by observation ° ′ ″

Latitude by D. R. ° ′ ″

Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″

Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1700 "

Coal consumed during the preceding 24 hours, tons, 1000 lbs.

Coal remaining on hand at noon, 16 " 829 "

P. M.				Moored to Dock.														
1					W.S.W.	2			30 01	61	47	47		ovm.	A.S.		10	
2					S.W.	1			30 00	62	52	52		"	"		10	
3					"	1			30 00	58	50	50		ov.	"		10	
4					"	1			30 00	57	50	50		"	A.Cu.		10	
5					"	1			30 02	59	52	50		lc.	"		8	
6					"	1			30 03	59	50	49		"	"		8	
7					"	1			30 04	59	50	49		"	"		3	
8					Calm.	0			30 05	63	48	47		"	Ci.		1	
9					"	0			30 05	60	46	46		"	"		1	
10					"	0			30 09	59	46	46		ovm.	A.S.		10	
11					"	0			30 09	58	46	46		"	"		10	
Mid.					"	0			30 09	58	46	46		lc.	"		1	

under the command of Commander Frank Courtis, U. S. Navy,

Friday, April 13th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Overcast with drizzling rain. Light breeze from North to light airs from N.N.W. Calm last hour.

Chas Parks
Lieut, U.S.N.

4 to 8 A.M.

Overcast with drizzling rain first hour. Calm first part, light N.W. airs latter part.

Chas Parks
Lieut, U.S.N.

8 A.M. to Meridian.

Overcast and cold. Raining first half. Light airs to breezes from N.W. and N.N.W. At 9:30 mustered at quarters; absent over leave, T. Thornton (Sdy), and L. P. Wilhelm (Sdy). Absent without permission, F. L. Robbins (C.F.). Received in Pay Dept'k for issue 60 lbs. each fresh meat and vegetables, 45 lbs. bread. Ensign W. S. Turpin, U.S.N. and Ensign W. J. Mahnin, U.S.N., returned to the ship having finished their examinations. At 11:30 the Torpedo Boat Stringham went into the stone dry dock. 1 machinist, 4 helpers, 4 boilermakers and 4 helpers from Navy Yard at work in Steam Engineering Department. Tested magazine flood and drain cocks and found them in good condition. Cleaned and disinfected bilges.

F. F. Baldwin Ensign, U.S.N.

Meridian to 4 P.M.

Overcast and cold. Light airs to light breezes from W.N.W. and N.W. Received in Equip. Dept'k manila rope as follows:- 1 coil 2", 1 coil 2½", 4 coils 2½", 3 coils 3", 2 coils 3", 1 coil 3½", 3 coils 4", 60 fathoms 4½", 40 fathoms 2" hemp, 1 coil 3½" hemp, 1 coil 4 thread seizing stuff, 2 coils marline, 2 coils spun yarn, 3 - 5' manila hawsers, 2 lbs. light rigging leather, 1 main topsail, 1 stationary. Navy Yard workmen as in forenoon.

F. F. Baldwin Ensign, U.S.N.

4 to 8 P.M.

Overcast. Clearing after 5:00. Moonlight last part. Calm and light airs from N.W. Navy Yard workmen as in forenoon still. 4:50.

F. F. Baldwin Ensign, U.S.N.

8 P.M. to Midnight.

Clear and fine. Bright moonlight. Calm.

F. F. Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—903

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
A. M.																		
1				Moored to Dock	Calm.	0			30 09	58	46	46		bmw	mc		0	
2				"	"	0			30 10	58	45	45		"	"		0	
3				"	West.	1			30 12	59	45	45		"	"		0	
4				"	"	1			30 12	60	45	45		"	"		0	
5				"	Calm.	0			30 13	57	44	44		"	"		0	
6				"	"	0			30 15	57	43	43		"	"		0	
7				"	"	0			30 17	58	42	42		b.	"		0	
8				"	West.	1			30 19	60	50	48		"	"		0	
9				"	"	2			30 20	63	54	50		bm	"		0	
10				"	"	2			30 20	63	60	60		"	"		0	
11				"	"	2			30 20	66	62	62		bcm	a.c.		2	
Noon.				"	"	3			30 20	66	62	62		"	"		3	

Position at 8 A. M.: Latitude by ° ′ ″ Mag Temp. For'd Aft.
Longitude by ° ′ ″ 70- 62-62

Position at noon: Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M.: Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1460 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 10 " 1569 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Forms.	CLOUDS. Amount, 1 to 10.	State of the Sea.
P. M.				Moored to Dock.														
1				"	West.	2			30 21	67	65	61		bc	c.		3	
2				"	"	2			30 21	68	66	62		"	"		3	
3				"	"	2			30 21	69	67	63		"	"		3	
4				"	"	3			30 22	70	67	63		"	"		3	
5				"	"	2			30 22	69	67	63		"	"		3	
6				"	Calm.	0			30 25	69	67	63		"	a.c.		4	
7				"	"	0			30 25	65	65	63		"	"		4	
8				"	"	0			30 28	66	66	63		b.	bmc		0	
9				"	North	1			30 30	66	54	54		bm.	"		0	
10				"	"	2			30 31	64	53	52		b.	"		0	
11				"	"	2			30 32	62	51	50		"	"		0	
Mid.				"	"	2			30 33	59	50	49		bc	c.		1	

under the command of Commander Frank Courtis , U. S. Navy,

Saturday, April 14th, , 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and fine. Bright moonlight. Calm and light airs from West. Barometer rising

H. R. Baldwin Ensign, U.S.N.

4 to 8 A.M.

Clear and fine. Moon set about 5.00. Calm and light airs from West. At all hands found A. McGregor (Bm. 2.c) and A. Connelly (S.C. 2.c) both absent from the ship without permission. Landed starboard lower anchor on dock and sent down both mizzen yards on mizzen and spanker gaff. Received in Pay Dept. for issue 60 lbs. each fresh meat and vegetables, and 45 lbs. bread.

H. R. Baldwin Ensign, U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light to gentle West by breeze. At 9.30 mustered the crew, absentees :- T. Thornton and L. P. Wilhelm, Eds., absent over leave; F. L. Robbins, C.T., A. McGregor, Bm. 2.c., and A. Connelly, S.C. 2.c., absent without leave. The Commanding Officer assigned punishments as follows :- J. Pierci, M. Att., reduced to 2nd class, W.B. Cross and A.B. Cooper, M. Atts., each 14 hours extra duty, all for breaking china ware in Ward Room. Sent ashore fore topgallant yard, port whisker boom, mizzen topmast and mizzen cap to spar shop for patterns for new ones. Spanker gaff was accidentally broken at sheave for topsail outhaul. Yard workmen as follows aboard all the watch; in Construction dept., 3 ship fitters on air ports, 2 plumbers on manger, 10 joiners on gun ports, 2 ship fitters each on ash chute rudder chains, and 2 on keel of sailing launch cradle, and chain plate for topmast backstay; in Steam Engineering, 4 machinists, 4 helpers, 5 boilermakers and 4 helpers on boilers and engines. Ensign W.D. Turpin was this day detached from this ship and ordered to U.S. Naval Proving Ground, Indian Head, Md. Received the permanent appointment of E.A. Thornette as Cyer. 8.D. Received in Equipment (Navy) dept. from General Storekeeper :- 66 lbs. signal halliard stuff, bunting as follows, 10 yds. blue 4½", 15 yds. white 4½", 10 yds. red 4½", 10 yds. red 19", 10 yds. white 19", 5 spare white cotton, 2 lbs. bedward, 12 hand lantern globes, 200 gals. lard oil, and 25 lbs. cotton waste.

Ralph Earle, Ensign, U.S.N.

Meridian to 4 P.M.

Clear and pleasant. Light to gentle Westerly breeze. Received in Pay dept. for issue to crew 60 lbs. each of fresh meat and vegetables, and 45 lbs. of bread. A. Ewell Aldridge returned from leave. Yard workmen as in previous watch aboard from 1 until 5.

Ralph Earle, Ensign, U.S.N.

4 to 8 P.M.

Clear and pleasant. Light Westerly breeze first hour followed by calms and light Northerly airs last hour. M.E. Sullivan, Eds., returned from leave. Moon rose at 6.50.

Ralph Earle, Ensign, U.S.N.

8 P.M. to Midnight.

Clear and cool. Light Northerly airs and breeze. G.A. Case, Cyer. 1.C. and W.J. Drummond, Sea., returned from leave. A. Connelly, S.C. 2.C., came on board at 8.45 and was confined to await action for being absent without leave and drunk. At 9 searched the ship and found M.E. Sullivan, Eds., to be absent without authority.

Ralph Earle, Ensign, U.S.N.

Examined and found to be correct.

E. F. Leiper, Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Low.	CLOUDS. Amount.	State of the Sea.
A. M.																		
1				Moored to Dock.	North	1			30 23	58	49	48		Clr.	Cirro		0	
2				"	"	2			30 24	58	48	47		"	"		0	
3				"	"	3			30 24	56	48	47		"	"		0	
4				"	"	2			30 25	54	47	46		"	"		0	
5				"	N. E.	2			30 27	55	46	44		"	"		0	
6				"	"	2			30 41	55	47	45		"	"		0	
7				"	East	2			30 43	58	49	48		"	"		0	
8				"	E. S. E.	2			30 45	59	53	50		"	"		0	
9				"	"	2			30 46	62	57	54		"	"		0	
10				"	"	1			30 49	65	63	59		"	"		0	
11				"	Calm	0			30 51	70	68	62		"	"		0	
Noon.				"	East	1			30 52	71	69	64		"	"		0	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″ — Mag Temp. Obs. 68- Air 68-64

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1250 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 15 " 69 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving Low.	CLOUDS. Amount.	State of the Sea.
P. M.				Moored to Dock.														
1					East.	2			30 52	70	69	64		Clr.	Cirro		0	
2					"	2			30 49	69	68	65		Clr.	Cu.		1	
3					"	3			30 47	68	68	63					1	
4					"	3			30 46	67	65	58		"	"		2	
5					"	2			30 46	65	63	57		"	"		2	
6					Calm	0			30 47	65	59	57		"	"		2	
7					"	0			30 48	65	55	52		"	"		2	
8					"	0			30 48	66	54	50		"	"		3	
9					"	0			30 49	63	53	50		Clr.	"		4	
10					"	0			30 50	63	50	50		"	"		5	
11					"	0			30 50	63	50	50		"	"		2	
Mid.					"	0			30 50	63	49	49		"	"		2	

under the command of Commander Frank Courtis, U. S. Navy,

Sunday, April 15th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4. A.M.

Clear and cool. Light airs & gentle breezes from North. Bright moonlight.

Ralph Earle,
Ensign, USN

4 to 8. A.M.

Clear and cool. Light N & W breeze shifting to E.S.E. Last part. Barometer rising. Found M. E. Sullivan, Fds., to be on board, and placed him in double irons to await action for attempting to break open cell.

Ralph Earle,
Ensign, USN

8. A.M. to Meridian.

Clear and pleasant. Light breeze and airs from E.S.E. to East. Calm third hour. At 9:30 held muster, absent over leave L. P. Walhelm (Fds) and T. Thornton (Fds); absent without leave F. L. Robbins (C.P.) and A. McGregor (Bm. 2.c.) The Commander awarded the following punishments:- A. Conelly (S.C.2.C.) for leaving ship without permission, 5 days solitary confinement on bread and water; M. E. Sullivan (Fds) attempting to break into the cell, 5 days confinement in double irons. Delivered at muster to J. Speare (Ch. Mach.) a permanent appointment as Chief Machinist.

C. M. Fahs
Ensn, USN

Meridian to 4. P.M.

Clear and pleasant. Light to gentle breeze from East.

C. M. Fahs
Ensn, USN

4. to 8. P.M.

Fair and pleasant. Light breeze from East first hours. Calm remainder. Moon rose at 7:40.

C. M. Fahs
Ensn, USN

8 P.M. to Midnight.

Fair and pleasant. Calm. Heavy dew.

C. M. Fahs
Ensn, USN

Examined and found to be correct.

F. F. Lasher.
Lieut. Navigator.

4—265

LOG of the UNITED STATES Training Ship Essex, 3rd Rate,

Moved to Dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																		
1				Moved to Dock.	Calm.	0			30.50	64	48	47		bw	Sme		0	
2					"	0			30.50	64	47	47		"	"		0	
3					"	0			30.50	64	47	47		"	"		0	
4					"	0			30.48	61	48	47		bcw	Cu		1	
5					S.E.	1			30.49	61	47	46		"	"		1	
6					"	1			30.51	61	49	48		b	Sme		0	
7					"	1			30.53	62	53	52		"	"		0	
8					"	1			30.54	64	59	56		"	"		0	
9					"	2			30.56	69	63	59		bc	Cu		1	
10					"	2			30.57	70	67	60		"	"		1	
11					S.S.E.	1			30.59	70	72	64		"	"		1	
Noon.					"	1			30.59	78	72	65		bcm	Cu		2	

Position at 8 A. M. { Latitude by ° ' " / Longitude by ° ' "

Mag. Temp. Fod 64-62. 70-

Position at noon: { Latitude by observation ° ' " / Longitude by observation ° ' " / Latitude by D. R. ° ' " / Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' " / Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, — "

Water remaining on hand fit for use at noon, 1050 "

Coal consumed during the preceding 24 hours, tons, 1500 lbs.

Coal remaining on hand at noon, 14 " 8.09 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.																		
1				Moved to Dock SSE		1			30.55	72	72	69		bcm	cu		2	
2					"	2			30.52	72	72	69		"	"		1	
3					"	2			30.52	74	72	70		"	"		1	
4					"	2			30.51	74	70	68		"	"		2	
5					"	2			30.51	74	69	68		"	"		3	
6					East	2			30.50	71	68	67		"	"		3	
7					"	2			30.49	68	66	64		"	"		3	
8					"	2			30.49	65	60	58		"	"		2	
9					"	2			30.50	69	60	59		"	"		3	
10					"	2			30.50	67	59	58		"	"		4	
11					"	1			30.50	64	58	57		OBM	8		10	
Mid.					SSE	1			30.50	64	58	57		"	"		10	

1

4—25

under the command of Commander Frank Courtis, U. S. Navy,

Monday, April 16th, 1900.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M.

Clear and pleasant. Calm. Heavy dew.

C. W. Fahs
Lieut., U.S.N.

4 to 8 A.M.

Clear and pleasant. Light S.E. airs. Moon set about 6.05.

C. W. Fahs
Lieut., U.S.N.

8 A.M. to Meridian.

Clear and pleasant. Light breezes from S.E. and light airs from S.S.E. Barometer rising slowly. At 9.15 P. Schist (Bmkr) returned on board from 7 days leave of absence. At 9.30 mustered all hands. Absent without leave F. E. Robbins (C.P.) and A. McGregor (B.M.2.c.); absent over leave F. P. Wilhelm (Fdc) and T. Thornton (Fdc). Yard workmen as follows aboard all the watch from about 9.00: in the Department of Steam Engineering 4 machinists and 4 helpers, and 8 boilermakers and 4 helpers; in Construction Dept. on ash hoists 2 men, on head 1 plumber and 8 helpers, 10 stage riggers, 3 men on life buoys, and 8 men on bowsprit. Received in Dept. of Supplies and Accounts the following fresh provisions:- 60 lbs. meat, 60 lbs. vegetables, and 48 lbs. bread. Received in Equipment (Navy) Dept. 60 fathoms 4" manila rope for wheel ropes. Crew engaged in serving off new running rigging.

W. J. Manson,
Ensign, U.S.N.

Meridian to 4 P.M.

Fair and pleasant, misty around horizon. Light airs and breezes from S.S.E. Barometer falling slowly. About 12.10 T. D. Gary (Ch. Gnr.) returned from leave. About 1.10 A. Jenkins (Ch. Gnr.) reported on board with bag and hammock and necessary papers having been transferred to this ship from the U.S.R.S. Franklin. Received on the Equipment (Navy) Dept. 6 bottles of chronometer fluid and 1 pr. binoculars (night). W. T. Merchant (S.M.M.) left the ship having been granted 10 days leave of absence. Yard workmen at work on board as follows from about 1.00 P.M.: In Department of Steam Engineering 4 machinists and 8 helpers, 3 boilermakers and 4 helpers, 1 carpenter and 1 helper; in Construction Dept., 8 riggers, 4 plumbers, 9 men, 8 ship fitters, and 1 drill. Transferred to the General Storekeeper Navy Norfolk from the Ordnance Department of this ship 30 6-pdr. ammunition chests, and 343 lbs. S. 6 pdr. cartridges (Smokeless powder.) Crew engaged in fitting new standing and running rigging.

W. J. Manson,
Ensign, U.S.N.

4 to 6 P.M.

Fair and pleasant, misty. Light breezes S.S.E. and East. Barometer steady. About 4.45 C.W.F. Pinquette (Yo.3c) left the ship having been granted 5 days leave of absence. Yard workmen left the ship about 5.00.

W. J. Manson
Ensign U.S.N.

6 to 8.00 P.M.

Fair and cool. Light breeze from East.

C. W. Fahs
Lieutenant, U.S.N.

8.00 P.M. to Mid

Fair and cool. Light airs and breezes from East to S.S.E. Moon rose at 8.20

C. W. Fahs
Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leeper.
Lieut., Navigator.

4—955

LOG of the UNITED STATES *Training Ship Essex.* 3d Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridian Trees.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
A. M.																0	
1				*Moored to Dock*	*S S E*	*1*			*30.49*	*64*	*58*	*57*	*b c m*	*A S*	*9*		
2					*"*	*1*			*30.49*	*66*	*58*	*57*	*"*	*A Cu*	*4*		
3					*"*	*1*			*30.48*	*66*	*58*	*57*	*"*	*"*	*5*		
4					*"*	*1*			*30.48*	*67*	*57*	*57*	*"*	*"*	*6*		
5					*"*	*1*			*30.47*	*69*	*58*	*58*	*"*	*"*	*5*		
6					*South*	*1*			*30.47*	*67*	*59*	*58*	*"*	*"*	*7*		
7					*"*	*1*			*30.47*	*67*	*60*	*59*	*"*	*"*	*7*		
8					*"*	*1*			*30.47*	*67*	*63*	*61*	*"*	*"*	*6*		
9					*S E*	*1*			*30.49*	*72*	*68*	*64*	*"*	*"*	*5*		
10					*"*	*1*			*30.49*	*74*	*70*	*66*	*b c*	*"*	*5*		
11					*"*	*2*			*30.49*	*76*	*73*	*66*	*"*	*"*	*6*		
Noon.					*"*	*2*			*30.46*	*74*	*73*	*64*	*"*	*Cu*	*7*		

Position at 8 A. M. { Latitude by / Longitude by } ° ′ ″

Position at noon: { Latitude by observation / Longitude by observation / Latitude by D. R. / Longitude by D. R. } ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by / Longitude by } ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, *200* gallons.

Water *distilled* during the preceding 24 hours, *1400* "

Water remaining on hand fit for use at noon, *2250* "

Coal consumed during the preceding 24 hours, *1* tons, *1260* lbs.

Coal remaining on hand at noon, *12* " *1789* "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Meridian Trees.	CLOUDS. Amount, scale 0 to 10.	State of the Sea.
P. M.				*Moored to Dock*													
1					*S S E*	*4*			*30.44*	*74*	*73*	*66*	*b c*	*b cu*		*6*	
2					*South*	*4*			*30.43*	*74*	*74*	*67*	*"*	*"*		*6*	
3					*"*	*4*			*30.39*	*76*	*73*	*67*	*"*	*Ci Cu*		*4*	
4					*"*	*4*			*30.37*	*76*	*72*	*66*	*"*	*"*		*4*	
5					*"*	*4*			*30.35*	*73*	*70*	*66*	*"*	*"*		*4*	
6					*"*	*4*			*30.35*	*70*	*68*	*65*	*"*	*"*		*4*	
7					*"*	*3*			*30.36*	*70*	*67*	*64*	*o c*	*Ci S*		*10*	
8					*"*	*3*			*30.37*	*70*	*65*	*63*	*b c*	*Ci Cu*		*8*	
9					*S S W*	*4*			*30.36*	*67*	*64*	*62*	*"*	*Cu*		*4*	
10					*"*	*5*			*30.35*	*65*	*64*	*62*	*"*	*"*		*11*	
11					*"*	*4-5*			*30.35*	*64*	*64*	*62*	*"*	*Ci Cu*		*8*	
Mid.					*"*	*4*			*30.35*	*64*	*64*	*62*	*"*	*"*		*8*	

under the command of Commander Frank Courtis, , U. S. Navy,

Tuesday, April 17th, 1900. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4.00 A.M.

Cloudy and pleasant. Light airs from S.S.E.

C W Fahs
Lieutenant, U.S.N.

4.00 A.M. to 8.00 A.M.

Cloudy and cool. Light airs from S.S.E. to South.

C W Fahs
Lieutenant, U.S.N.

8.00 A.M. to Meridian

Clear and fine. Light airs to breeze from S.E. Barometer high and steady. Falling last hour. At 9.30 Mustered at quarters, absentees, L.P. Walhelm (Lds) overleave, J Thornton (Lds), overleave, A McGregor (BM 2 c) without leave. Received in Pay Dept for issue, 60 lbs. each, fresh meat and vegetables, 90 lbs bread. By order of the Bureau of Navigation, Chas Wheeler, Chf Yeo was transferred to the U.S.R.S. Franklin, with necessary papers for duty on the U.S.S. Kentucky. The rating of W J. Meeke, (Lds) was this day changed to Boat Rower. By order of the Bureau of Navigation, H Zacharay (Mess Att) and A.B. Cooper (Mess Att) were discharged from the ship, and from the Naval Service, as being undesirable. Navy Yard workmen at work on board as follows: 2 Machinists, 3 helpers, 2 Joiners, 3 riggers, 2 plumbers, 2 helpers, 4 ship fitters, 4 helpers, 1 tinner, 1 helper. Ensign W.J Manion U.S.N., and Ensign Ralph Earle, U.S.N., left the ship on seven days leave.

Ensign, U.S.N.

Meridian to 4.00 P.M.

J K Baldwin Ensign, U.S.N.

Clear and pleasant. Moderate breeze from S.S.E. and South. J White (Asst Asst) left the ship on 10 days leave. 3 Riggers, 3 machinists, 3 helpers, 3 boilermakers, 3 helpers, 3 plumbers, 2 helpers, and 9 Joiners from Navy Yard force at work on board.

4.00 to 8.00 P.M.

J K Baldwin Ensign, U.S.N.

Cloudy and pleasant. Moderate breeze from South. Navy Yard workmen on board, as in previous watch.

8.00 P.M. to Midnight

J K Baldwin Ensign, U.S.N.

Clear and pleasant. Moonlight. Moderate to stiff breezes from S.S.W. At 9.15 Moon rose. At 11.15 Stopped distilling, tanks being full.

J K Baldwin Ensign, U.S.N.

Examined and found to be correct.

F. F. Leiper
Lieut Navigator.

4–265

LOG of the UNITED STATES Training Ship Essex 3d Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10.	State of the Sea.
A. M.																		
1				Moored to Dock	S S W	4			30.33	70	64	63		bc	bi bu		6	
2				"	"	3			30.33	70	64	63		oc	bi S		10	
3				"	"	2			30.33	70	64	63		"	"		10	
4				"	South	2			30.32	70	64	63		"	"		10	
5				"	"	3			30.30	71	63	62		bc	bu		7	
6				"	"	2			30.31	70	63	62		"	bibu		5	
7				"	S S W	2			30.31	68	65	62		"	abu		7	
8				"	"	2			30.30	70	70	64		oc	bi S		10	
9				"	"	2			30.30	73	74	68		"	"		10	
10				"	"	2			30.30	78	74	70		bc	bibu		6	
11				"	"	2			30.29	78	74	70		"	"		8	
Noon.				"	"	2			30.26	78	74	72		"	"		8	

Position at 8 A. M. { Latitude by ° ' "
Longitude by ° ' "

Position at noon: { Latitude by observation ° ' "
Longitude by observation ° ' "
Latitude by D. R. ° ' "
Longitude by D. R. ° ' "

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ' "
Longitude by ° ' "

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water distilled during the preceding 24 hours, 850 "

Water remaining on hand fit for use at noon, 2900 "

Coal consumed during the preceding 24 hours, tons, 2000 lbs.

Coal remaining on hand at noon, 11 " 2029 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air, Dry Bulb.	TEMPERATURE. Air, Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, from.	CLOUDS. Amount, scale 10.	State of the Sea.
P. M.																		
1				Moored to Dock	South	2			30.25	78	78	74		bc	bu		6	
2				"	"	3			30.23	78	78	72		"	"		8	
3				"	"	3			30.22	78	78	71		"	"		8	
4				"	"	2			30.20	77	73	69		"	"		8	
5				"	"	4			30.19	77	72	69		oc	S bu		10	
6				"	S S W	4			30.19	75	70	67		"	"		10	
7				"	"	4			30.19	74	70	67		"	"		10	
8				"	"	4			30.19	73	69	67		"	S		10	
9				"	"	4			30.20	73	69	67		"	"		10	
10				"	"	4			30.20	72	69	67		"	N		10	
11				"	"	3			30.19	72	68	67		ocd	"		10	
Mid.				"	"	3			30.16	70	66	66		"	"		10	

4—25

under the command of Commander Frank Courtis, , U. S. Navy,

Wednesday, April 18th, 1900. , 19

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4:00 A.M.

Clear and fine. Bright moonlight. Light to moderate breeze from S.S.W. & South.

4:00 to 8:00 A.M. H. E. Baldwin Ensign, U.S.N.

Clear and fine, Moonlight first part. Light breeze from South and S.S.W.

8:00 A.M. to Meridian H. E. Baldwin Ensign, U.S.N.

Fair and pleasant. Light S.S.W. breeze. P.A. Surgeon J.F. Lyon, left the ship a weeks leave of absence. At 9:30 held muster, absent without leave F.L. Robbins, (C.P.) A. McGregor (B.M. 2 C); Overleave C.F. Porter, Chief (M. at A.) W.L. Preston (Ldr) L. Frances, (Lt) I. Thornton (Ldr) and L.P. Wilhelm (Ldr). By order of the Commander I. Thornton (Ldr) and L.P. Wilhelm (Ldr) were this day declared deserters, having been absent overleave ten days. C.F. Porter, returned on board 9 hours and 50 minutes over his leave. Received in Pay Dept for the crew, fresh provisions as follows: 60# Meat, 60# Vegetables, & 48# Bread. Following Navy Yard workmen on board: Steam Engineering Dept 3 boilermakers & 3 helpers, 3 Machinists & 3 helpers; construction, 2 carpenters, 3 plumbers & 2 helpers, 9 ship joiners, 2 ship fitters and 1 driller, and 3 riggers

C.W. Fahs
Lieutenant U.S.N.

Meridian to 4:00 P.M.

Fair and pleasant. Light and gentle breeze from South. Sold the effects of I. Thornton (Ldr) and L.P. Wilhelm (Ldr), declared deserters, at auction; the former's effects realized 55 cents & the latter 20 cents. By order of the Bureau of Navigation, Discharged J. Collins (Mess Cook) from the Naval Service, by reason of being undesirable. The Stringham came out of the Dry Dock. By order of the Commander, released J. Quinlan (F.C.) from confinement, and restored to duty, his term of confinement having expired.

C.W. Fahs
Lieutenant, U.S.N.

4:00 to 8:00 P.M.

Cloudy & overcast. Moderate breeze from South to S.S.W. W. Preston (Ldr) returned from leave, 20 hours overtime.

C.W. Fahs
Lieutenant, U.S.N.

8:00 P.M. to Midnight.

Overcast, drizzling rain latter part. Moderate to gentle breeze from S.S.W.

C.W. Fahs
Lieutenant, U.S.N.

Examined and found to be correct.

F.F. Leiper.
Lieut, Navigator.

4—205

LOG of the UNITED STATES — Training Ship Essex — 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
A. M.																		
1				Moored to Dock	S.W.	4			30.14	70	67	65		ocw	8		10	
2				"	"	4-5			30.12	70	67	65		ocfw			10	
3				"	"	4-5			30.11	71	68	66		"	Stms		10	
4				"	"	4			30.10	72	68	67		ocf	"		10	
5				"	S.S.W.	4			30.10	73	68	64		oc	"		10	
6				"	"	4			30.11	72	68	67		ocd	"		10	
7				"	"	3			30.12	74	67	67		ocr	"		10	
8				"	"	3			30.14	73	67	67		"	"		10	
9				"	S.W.	2			30.17	72	65	65		or	"		10	
10				"	"	1			30.19	76	69	66		"	"		10	
11				"	S.S.W.	1			30.17	73	69	67		"	"		10	
Noon.				"	Calm	0			30.17	73	69	69		"	"		10	

Position at 8 A. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″ / Longitude by observation ° ′ ″ / Latitude by D. R. ° ′ ″ / Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″ / Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 250 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2650 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 11 " 1529 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air: Dry Bulb.	TEMPERATURE. Air: Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, eastern.	State of the Sea.
P. M.																		
1				Moored to Dock	East	2			30.15	72	66	66		ocr.	St		10	
2				"	E.S.E	2			30.14	73	68	67		bw	"		9	
3				"	"	1			30.14	75	69	68		"	"		9	
4				"	"	1			30.14	76	69	68		"	"		9	
5				"	"	1			30.15	75	68	68		"	"		9	
6				"	Calm	0			30.17	75	68	67		"	bw S		8	
7				"	"	0			30.18	74	67	66		"	"		8	
8				"	"	0			30.18	74	66	66		"	"		8	
9				"	"	0			30.21	71	66	66		oc	St		10	
10				"	"	0			30.21	70	65	65		bw	"		8	
11				"	"	0			30.21	69	65	65		"	"		9	
Mid.				"	"	0			30.21	68	65	65		"	"		9	

under the command of Commander Frank Courtis, U. S. Navy,

Thursday, April 19th, 1900. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 2nd until 4.00 AM.

Overcast and damp. Passing rain last hour. Moderate to stiff S.W. breeze.

C. M. Taha
Lieutenant, U.S.N.

4.00 to 8.00 A.M.

Overcast and rainy. Moderate to gentle breeze from S.S.W. A. McGregor, (B.M. 2 cl.) returned on board having been absent 5 days without leave, and by order of the Commander was placed in confinement in double irons, to await action of the Commanding Officer

C. M. Taha
Lieutenant, U.S.N.

APPROVED.

Frank Courtis
COM'D'R., U. S. N., COM'D'G.

8.00 A.M. to Meridian

Overcast and raining heavily throughout watch. Calm, light airs to breezes from S.W. & S.S.W. Barometer steady. Received in Pay Dept for issue: 60 lbs each, fresh meat and vegetables, 48 lbs bread. Chaplain T.A. Gill, U.S.N., returned from leave. At 9.30 A.M. mustered at quarters, absentees, F.L. Robbins, (6 P.) without leave; I. Frances (Lds.), and C. Doherty (F.I.C.) overleave. By order of the Captain released from confinement and restored to duty, M.G. Sullivan (Lds.) At 10.00, called all hands to muster, and Commander Frank Courtis, U.S.N. read orders from the Navy Department, dated April 2d, 1900, detaching him from command of this ship, and ordering him home on waiting orders. He then turned over the command to Commander Richard B. Davenport, U.S.N., who read his orders of the same date, ordering him to assume command of this ship. The Captain stated that all orders of his predecessor would be in force until revoked by him. R. Restad (2 M.S.C.) and J.A. Sheehan (6 b.M.) returned from leave. Yard workmen at work on board, as followers: 3 machinists, 3 helpers, 3 boilermakers, 4 helpers, 9 joiners, 3 plumbers and 2 helpers.

Meridian to 4.00 P.M.

T. L. Baldwin Ensign, U.S.N.

Raining till 12.30, then clearing. Light airs to breezes from East and E.N.E. Crew engaged in rattling down. R. St. Hudson (App. 2 cl.) left the ship on ten days leave. Navy Yard workmen at work on board as follows: 9 Joiners, 3 plumbers, 2 helpers, 3 machinists, 3 helpers, 3 boilermakers, 4 helpers, 1 boat builder, 1 apprentice. Received from Naval Magazine, 78-4" B.S. Shells, 1199-6 pdr. B.S. Shells, 447-1 pdr. B.S. Shells, 1500 lbs Saluting Powder, 800 Cartridges and 800 Percussion Primers.

T. L. Baldwin
Ensign, U.S.N.

4.00 to 8.00 P.M.

Clearing and pleasant. Light airs from E.N.E. and calm. Navy Yard workmen as in previous watch at work till 4.50

T. L. Baldwin
Ensign, U.S.N.

8.00 P.M. to Midnight.

Cloudy and pleasant. Calm. Barometer steady.

T. L. Baldwin Ensign, U.S.N.

Examined and found to be correct.

E. F. Leffler.
Lieut. Navigator.

4—205

LOG of the UNITED STATES *Training Ship Essex* 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 is ft.	State of the Sea.
A. M.																	
1				Moored to Dock.	Calm	0			30.21	69	65	65	b.c.w.	St		9	
2					"	0			30.22	69	65	65	"	"		9	
3					"	0			30.22	69	65	65	a.c.w.	"		10	
4					East	1			30.22	69	64	64	o.c.d.	"		10	
5					"	2			30.20	68	63	63	o.c.	b.w.St		10	
6					N.E.	2			30.22	67	63	63	"	"		10	
7					"	2			30.24	67	63	63	"	"		10	
8					"	2			30.26	67	62	62	"	"		10	
9					"	3			30.29	66	62	62	o.c.f.	St		10	
10					"	2			30.29	66	61	59	o.c.	"		10	
11					"	2			30.28	66	61	59	"	"		10	
Noon.					"	2			30.28	66	61	59	o.c.d.	"		10	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2480 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 11 " 1029 "

Hours	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, scale 10 is ft.	State of the Sea.
P. M.																	
1				Moored to Dock	E.N.E.	1			30.29	65	62	60	o.c.d.	Nim		10	
2					"	2			30.31	68	61	61	"	"		10	
3					"	2			30.27	67	60	60	"	"		10	
4					East	2			30.25	66	59	59	"	b.St		10	
5					"	2			30.24	66	60	60	"	St		10	
6					"	2			30.25	65	59	59	o.c.	"		10	
7					"	1			30.26	67	58	58	o.c.d.	"		10	
8					N.E.	2			30.26	66	57	57	"	"		10	
9					N.N.E.	1			30.25	65	56	56	"	b.St		10	
10					"	1			30.24	64	56	56	"	"		10	
11					"	1			30.22	64	55	55	"	Nim		10	
Mid.					Calm	0			30.21	62	55	55	"	"		10	

6—2 5

under the command of Commander, Richard G. Davenport, U.S. Navy,

Friday, April 20th, 1900. , 18 .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4.00 AM.

Cloudy and pleasant. Calm and light airs from East. Barometer steady.

4.00 to 8.00 AM. D. P. Baldwin Ensign, U.S.N.

Cloudy, with occasional drizzling rain. Light airs to breezes from East and N.N.E. Crew engaged in rattling down.

8.00 AM. to Meridian, D. P. Baldwin Ensign, U.S.N.

Overcast and occasional drizzle. Light breeze from N.N.E. At 9.30 held muster, absent-over leave, L. Franco (Lfn), C. Doherty (Fl. 1 C) W. H. Gundrey (Sk 4 C). By order of the Commander, released from confinement and restored to duty, A. Conelley (Sk 2 C), and by the same authority A. Conelley, Sk 2 C, was placed in double irons for 5 days, for returning on board drunk, and disorderly; also A. McGregor, (B.M. 2 C) for leaving ship without permission, and remaining away 5 days, was placed in solitary confinement for 5 days on bread and water; and W. L. Preston (Ldr) for being 20 hours absent overleave was reduced to 3rd conduct class. Crew engaged in rattling down. The Torpedo Boat "Talbot" went into dry dock. Navy Yard workmen on board in Engineers, and Construction and Repair Departments, as follows: In the former, 3 machinists and 3 helpers, 5 boilermakers and 4 helpers; in the latter, 5 plumbers, and 7 carpenters.

C. M. Fahs
Lieutenant, U.S.N.

Meridian to 4.00 P.M. Overcast, with drizzling rain. Light airs and breezes from E.N.E. to East. Mr. H. S. Clark, late Paymasters Clerk left the ship, having resigned his position. W. H. Gundrey, (Sk 4 C) returned on board 12 hours overleave. Received from the U.S.R.S. "Franklin", 2 Mess attendants with their enlistment records, and transfer accounts. Same Navy Yard workmen on board as in preceding watch. Sent Ensigns D. P. Baldwin, accompanied by the Hospital Steward to Berkeley to identify the dead body of a drowned man. The body proved to be that of F. L. Robbins, (B.M.) of this ship. It was taken to the Naval Hospital to be prepared for interment. He had left the ship without permission about April 15th 1900. The verdict of the Coroner of Berkeley was, "Date and cause of death unknown."

C. M. Fahs
Lieutenant, U.S.N.

4.00 to 8.00 P.M. Overcast with drizzling rain. Light breezes and airs East to N.E. By order of the Bureau of Navigation, discharged W. H. D. Bross, (M 4 C) from the U.S. Naval Service, by reason of his being undesirable. Tested flood and drain cocks, and found them in good order.

C. M. Fahs
Lieutenant, U.S.N.

8.00 P.M. to Midnight. Overcast with drizzling rain. Light airs from N.N.E. Calm last hour.

C. M. Fahs
Lieutenant, U.S.N.

Examined and found to be correct.

F. F. Leiper.
Lieut. Navigator.

4—205

LOG of the UNITED STATES Training Ship "Essex" 3rd Rate,

Moored to Dock, Navy Yard, Norfolk, Va.

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, cakes in.	State of the Sea.
A. M.																		
1				Moored to Dock	N.E.	2			30.18	61	57	57		o.c.d.	N		10	
2				"	"	2			30.17	61	57	57		o.c.n.	"		10	
3					E.N.E.	2			30.16	60	57	57		o.c.d.	"		10	
4					East	2			30.16	60	57	57		"	"		10	
5					"	1			30.16	61	57	57		"	"		10	
6					N.E.	1			30.17	61	56	56		"	"		10	
7					"	1			30.18	61	56	56		o.c.m.	"		10	
8					"	1			30.18	62	56	56		"	"		10	
9					"	1			30.18	64	57	57		o.c.d.	"		10	
10					"	1			30.18	64	57	57		"	"		10	
11					Calm	0			30.18	66	59	59		o.c.	"		10	
Noon.					"	0			30.18	69	60	60		"	"		10	

Position at 8 A. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Position at noon: { Latitude by observation ° ′ ″
Longitude by observation ° ′ ″
Latitude by D. R. ° ′ ″
Longitude by D. R. ° ′ ″

Course made good since preceding noon:

Distance made good since preceding noon: miles.

Distance by Log since preceding noon: miles.

Current per hour: miles, set true.

Position at 8 P. M. { Latitude by ° ′ ″
Longitude by ° ′ ″

Variation of compass:

Error of compass observed at

Deviation of compass on

Water expended during the preceding 24 hours, 200 gallons.

Water during the preceding 24 hours, "

Water remaining on hand fit for use at noon, 2250 "

Coal consumed during the preceding 24 hours, tons, 500 lbs.

Coal remaining on hand at noon, 11 " 529 "

Hour.	Knots.	Tenths.	Reading of Patent Log.	COURSES STEERED by Standard Compass.	WIND. Direction by Standard Compass.	WIND. Force.	Heel.	Leeway.	BAROMETER. Height in inches.	TEMPERATURE. Ther. att'd.	TEMPERATURE. Air. Dry Bulb.	TEMPERATURE. Air. Wet Bulb.	TEMPERATURE. Water at Surface.	State of the Weather, by symbols.	CLOUDS. Forms of, by symbols.	CLOUDS. Moving, form.	CLOUDS. Amount, cakes in.	State of the Sea.
P. M.																		
1				Moored to Dock	N.N.E.	2			30.17	68	64	62		o.c.m.	Cu.		10	
2					"	2			30.17	68	64	62		"	"		10	
3					"	1			30.16	70	66	64		"	"		10	
4					E.N.E.	3			30.16	73	64	64		o.c.d.	"		10	
5					"	2			30.15	70	62	60		"	N		10	
6					"	1			30.13	70	60	60		"	"		10	
7					"	1			30.12	69	59	59		o.c.	"		10	
8					Calm	0			30.12	69	59	59		"	"		10	
9					"	0			30.12	68	58	58		o.c.m.	"		10	
10					N.W.	1			30.12	67	56	56		o.c.f.	"		10	
11					Calm	0			30.11	66	56	56		"	"		10	
Mid.					"	0			30.11	66	58	57		o.c.m.	"		10	

4—25

under the command of Commander Richard E. Davenport, , U. S. Navy,

Saturday, April 21st, 1900. , ~~18~~ .

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4.00 A.M.

Overcast with drizzling rain. Light breeze from N.E. to East.

C. M. Fahs
Lieutenant, U.S.N.

4.00 to 8.00 A.M.

Overcast with fine drizzle first part, misty latter part. Light airs from East to N.E.

C. M. Fahs
Lieutenant, U.S.N.

8.00 A.M. to Meridian

Hazy with drizzling rain first half. Calm and light airs from N.E. Barometer steady. At 9.30, mustered at quarters, absentees, L. Franco, (Ldr.) and E. Doherty, F.H., both absent overleave. Received in Pay Department for issue 60 lbs each fresh meat and vegetables, 48 lbs Bread. E. Gilson, (B.M. 2d) returned from leave. At 11.00 E. Doherty, (F.H.) returned to the ship 52 hours over leave. Navy Yard workmen on board as follows:- 9 Joiners, 1 Stonefitter, 1 helper, 2 plumbers, 1 boat builder, 1 helper, 3 machinists, 3 helpers, 3 boilermakers, and 2 helpers. The Chaplain left the ship to hold services at the funeral of F. L. Robbins, (C.P.) of this ship, who was buried from the Naval Hospital, in the Naval Cemetary at 11.00 A.M. A. Duncan, (Ldr.) returned from leave.

Meridian to 4 P.M.

F. R. Baldwin
Ensign, U.S.N.

Overcast and hazy. Light airs to gentle breeze from N.N.E, and E.N.E. Barometer falling slowly. E. Borgeson, (Mach. 1cl.) returned from leave. Navy Yard workmen on board as follows; 2 Stovefitters, 1 helper, 9 joiners, 1 boat builder, 1 helper, 6 coppersmiths on life buoys, 3 machinists, 3 helpers. At 3.30, a board of survey of which Commander N.E. Niles, U.S.N. was senior member, convened on board, for the survey of certain articles in Equipment.

F. R. Baldwin
Ensign, U.S.N.

4.00 to 8.00 P.M.

Overcast with rain. Calm, Light airs to light breeze from E.N.E. Barometer falling. Navy Yard workmen as in afternoon till 4.45. Received in Pay Department for issue, 60 lbs each fresh meat and vegetables. 48 lbs bread.

F. R. Baldwin Ensign, U.S.N.

8.00 P.M. to Midnight.

Overcast and misty. Calm and light airs from S.W. Lieutenant E. F. Lesper, U.S.N. returned from leave.

F. R. Baldwin
Ensign, U.S.N.

Approved
Richard E. Davenport
Commander, U.S.N.
Commanding.

Examined and found to be correct.

E. F. Lesper.
Lieut. Navigator.